

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056181.D
 Acq On : 10 Jun 2019 19:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 11 02:22:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	281333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	409519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	368025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	142017	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.59	113	128959	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.09	98	475898	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.40	95	162650	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145997	47.257	ug/l	100
3) Chloromethane	2.06	50	150953	49.498	ug/l	99
4) Vinyl Chloride	2.18	62	153531	50.188	ug/l	99
5) Bromomethane	2.53	94	94787	49.051	ug/l	97
6) Chloroethane	2.68	64	86887	48.988	ug/l	100
7) Trichlorofluoromethane	3.00	101	195256	49.998	ug/l	99
8) Diethyl Ether	3.40	74	76956	47.918	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	120869	50.951	ug/l	99
10) Methyl Iodide	3.94	142	176326	46.772	ug/l	99
11) Tert butyl alcohol	4.81	59	119062	244.927	ug/l	99
12) 1,1-Dichloroethene	3.72	96	120171	50.882	ug/l	96
13) Acrolein	3.60	56	42003	299.597	ug/l	100
14) Allyl chloride	4.31	41	192325	51.571	ug/l	99
15) Acrylonitrile	4.99	53	345699	292.140	ug/l	100
16) Acetone	3.82	43	294230	220.233	ug/l	100
17) Carbon Disulfide	4.04	76	269565	47.670	ug/l	99
18) Methyl Acetate	4.33	43	157729	60.222	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	392621	52.154	ug/l	99
20) Methylene Chloride	4.54	84	142018	51.597	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	126462	49.975	ug/l	97
22) Diisopropyl ether	5.96	45	404529	52.474	ug/l	99
23) Vinyl Acetate	5.90	43	1663951	274.086	ug/l	100
24) 1,1-Dichloroethane	5.84	63	234245	52.676	ug/l	100
25) 2-Butanone	6.84	43	456412	270.388	ug/l	99
26) 2,2-Dichloropropane	6.82	77	153735	44.304	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	152591	51.299	ug/l	98
28) Bromochloromethane	7.19	49	111732	53.131	ug/l	98
29) Tetrahydrofuran	7.22	42	297966	285.569	ug/l	99
30) Chloroform	7.37	83	239808	53.607	ug/l	100
31) Cyclohexane	7.65	56	205970	46.468	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	197728	52.931	ug/l	99
36) 1,1-Dichloropropene	7.79	75	172331	48.940	ug/l	100
37) Ethyl Acetate	6.93	43	179248	57.211	ug/l	100
38) Carbon Tetrachloride	7.77	117	169351	52.165	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203678	46.433	ug/l	99
40) Benzene	8.04	78	547912	51.231	ug/l	100
41) Methacrylonitrile	7.17	41	76245	52.892	ug/l	88
42) 1,2-Dichloroethane	8.12	62	174857	50.828	ug/l	100
43) Isopropyl Acetate	8.17	43	275845	54.331	ug/l #	93
44) Trichloroethene	8.83	130	154911	50.407	ug/l	99
45) 1,2-Dichloropropane	9.12	63	144814	52.863	ug/l	99
46) Dibromomethane	9.21	93	96264	53.737	ug/l	99
47) Bromodichloromethane	9.40	83	180469	55.585	ug/l	100
48) Methyl methacrylate	9.20	41	137553	55.379	ug/l	96
49) 1,4-Dioxane	9.21	88	58232	1085.942	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	898080	282.864	ug/l	100
52) Toluene	10.16	92	342654	51.488	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	179538	47.302	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211093	54.090	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	138290	52.459	ug/l	98
56) Ethyl methacrylate	10.43	69	207649	53.992	ug/l	99
57) 1,3-Dichloropropane	10.71	76	229604	53.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	365509	240.316	ug/l	99
59) 2-Hexanone	10.75	43	625718	271.917	ug/l	99
60) Dibromochloromethane	10.90	129	151644	52.051	ug/l	100
61) 1,2-Dibromoethane	11.01	107	147429	54.705	ug/l	98
64) Tetrachloroethene	10.63	164	154928	48.633	ug/l	100
65) Chlorobenzene	11.43	112	369689	50.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	138296	54.683	ug/l	98
67) Ethyl Benzene	11.51	91	640810	50.315	ug/l	99
68) m/p-Xylenes	11.62	106	492106	101.146	ug/l	99
69) o-Xylene	11.95	106	240390	50.230	ug/l	100
70) Styrene	11.96	104	406973	53.521	ug/l	99
71) Bromoform	12.13	173	109805	51.621	ug/l #	100
73) Isopropylbenzene	12.25	105	629996	53.439	ug/l	99
74) N-amyl acetate	12.07	43	226413	51.195	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	197159	51.191	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	227659	74.574	ug/l #	100
77) Bromobenzene	12.53	156	173263	48.778	ug/l	96
78) n-propylbenzene	12.59	91	675489	48.126	ug/l	99
79) 2-Chlorotoluene	12.67	91	413291	53.237	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	519345	46.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47296	51.594	ug/l	89
82) 4-Chlorotoluene	12.77	91	400231	48.740	ug/l	100
83) tert-Butylbenzene	12.99	119	458299	53.122	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	514816	48.667	ug/l	100
85) sec-Butylbenzene	13.17	105	591518	47.588	ug/l	100
86) p-Isopropyltoluene	13.29	119	533021	47.915	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	275962	50.197	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263249	49.779	ug/l	100
89) n-Butylbenzene	13.61	91	396310	48.092	ug/l	99
90) Hexachloroethane	13.87	117	87431	52.115	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	275037	49.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32512	59.019	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

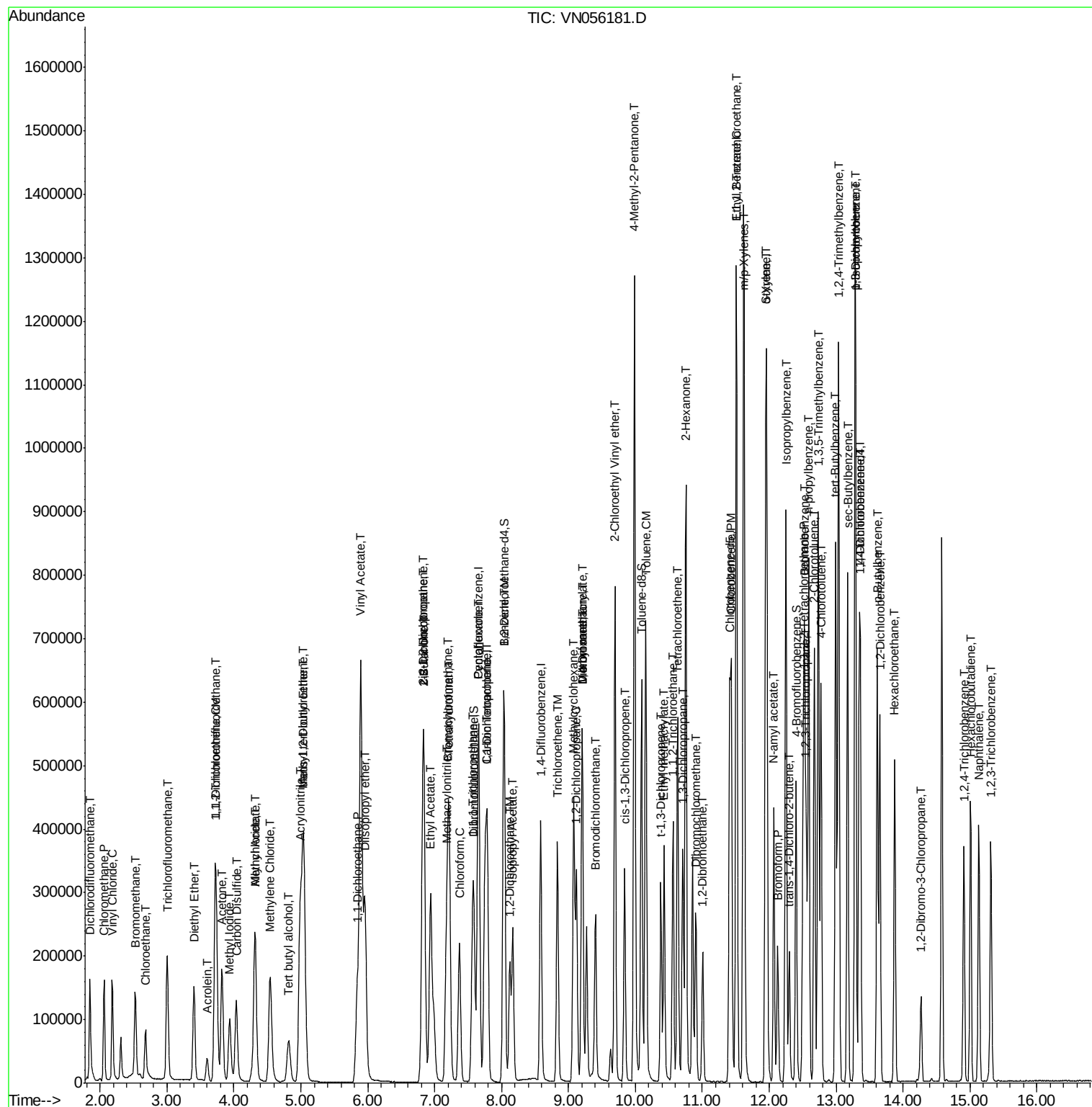
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132861	43.999	ug/l	99
94) Hexachlorobutadiene	15.01	225	100309	52.810	ug/l	99
95) Naphthalene	15.13	128	365447	46.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	148969	47.925	ug/l	99

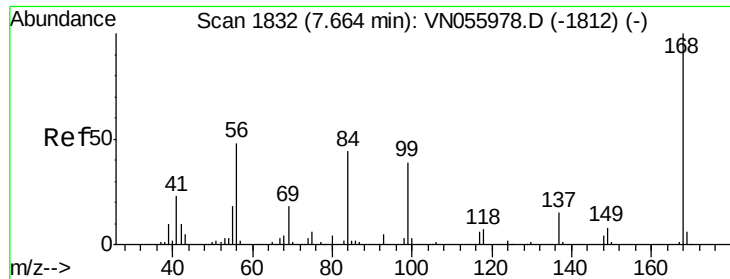
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

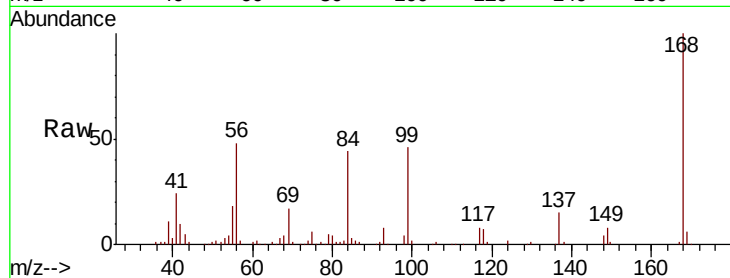
VSTDCCC050EC

Tot Ion:168 Resp: 281333

Ion Ratio Lower Upper

168 100

99 44.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

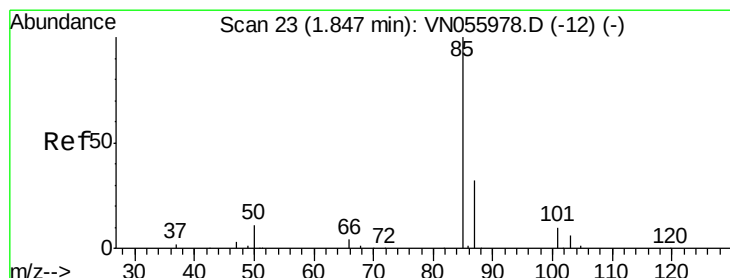
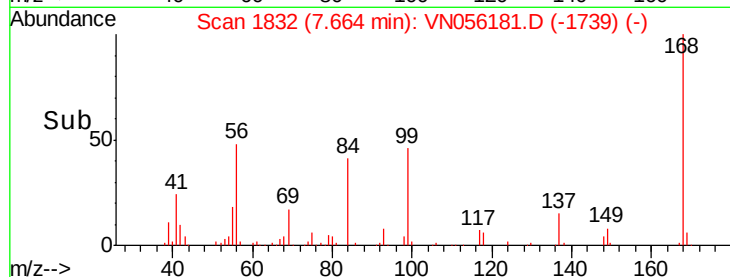
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.257 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056181.D

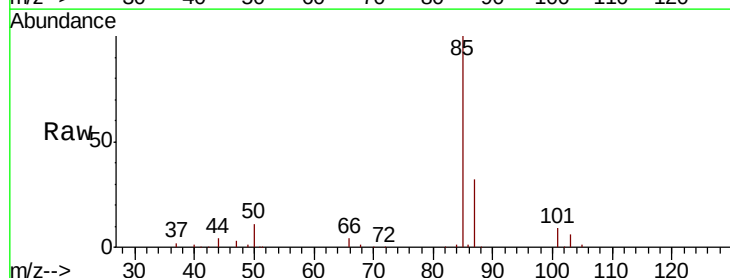
Acq: 10 Jun 2019 19:59

Tgt Ion: 85 Resp: 145997

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

100000

80000

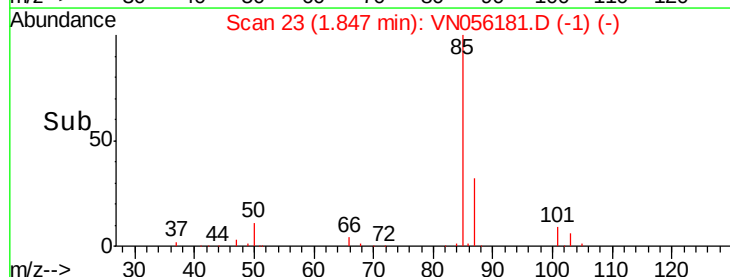
60000

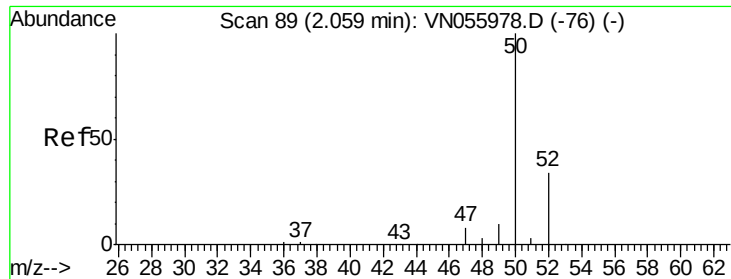
40000

20000

0

Time-->





#3

Chloromethane

Concen: 49.498 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

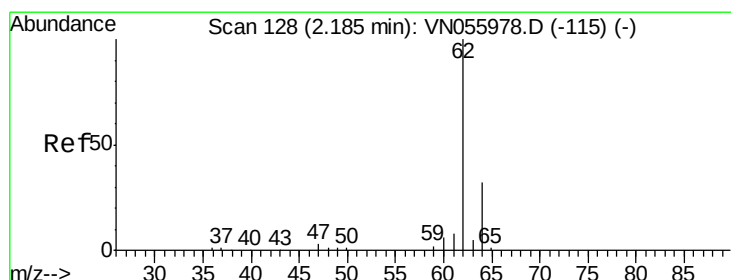
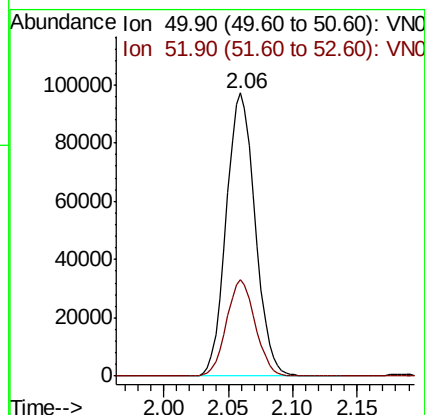
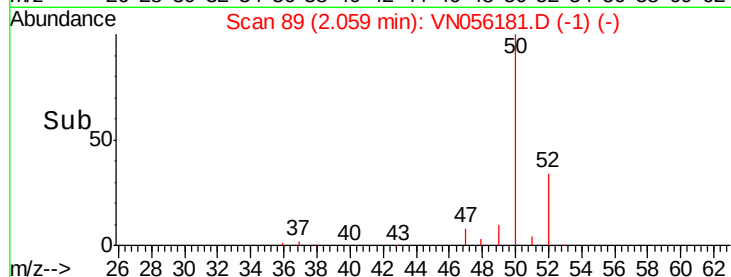
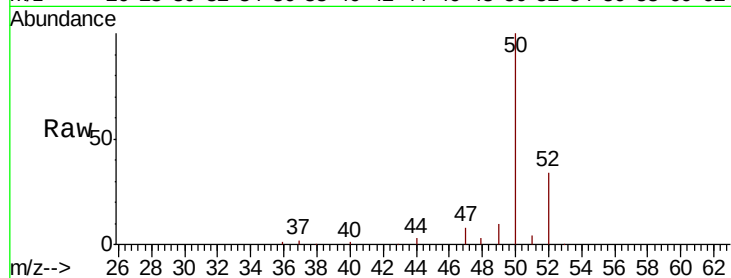
VSTDCCC050EC

Tot Ion: 50 Resp: 150953

Ion Ratio Lower Upper

50 100

52 34.0 26.6 40.0



#4

Vinyl Chloride

Concen: 50.188 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056181.D

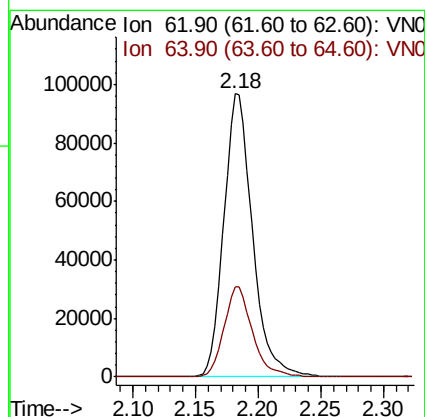
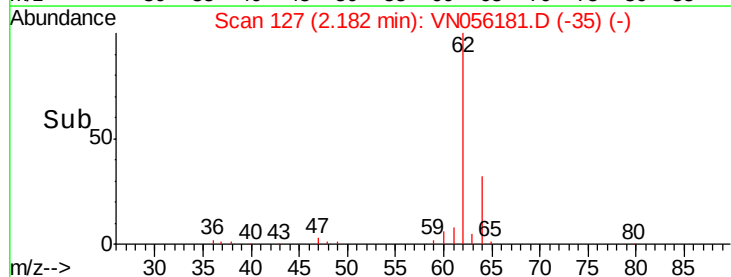
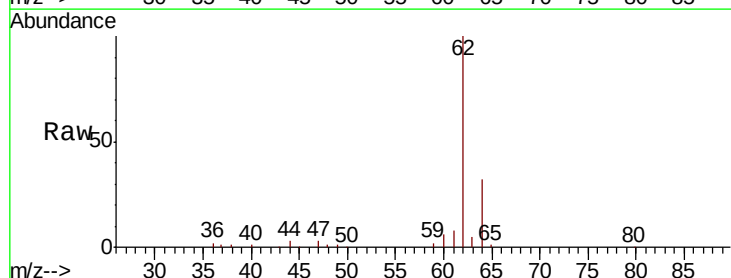
Acq: 10 Jun 2019 19:59

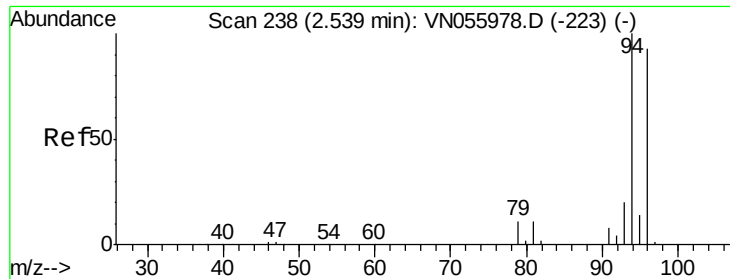
Tgt Ion: 62 Resp: 153531

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 49.051 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

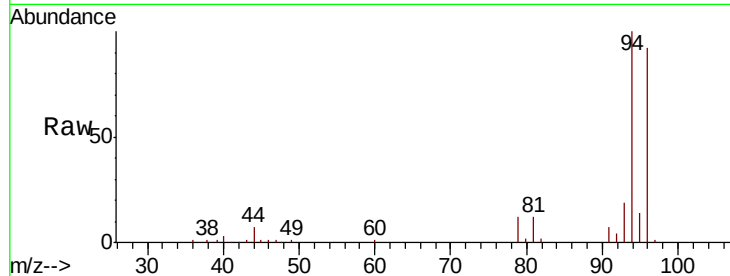
VSTDCCC050EC

Tot Ion: 94 Resp: 94787

Ion Ratio Lower Upper

94 100

96 91.7 75.5 113.3

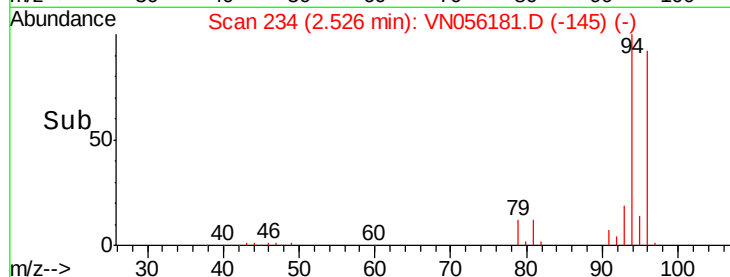


Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

2.53

Time-->



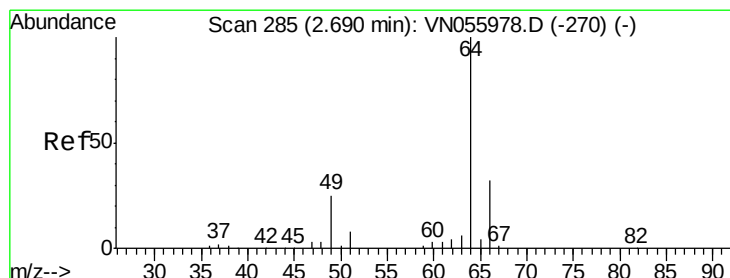
Abundance

Ion 93.90 (93.60 to 94.60): VN056181.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN056181.D (-145) (-)

2.53

Time-->



#6

Chloroethane

Concen: 48.988 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056181.D

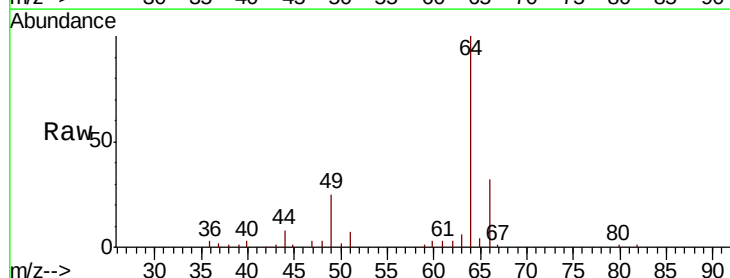
Acq: 10 Jun 2019 19:59

Tgt Ion: 64 Resp: 86887

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0

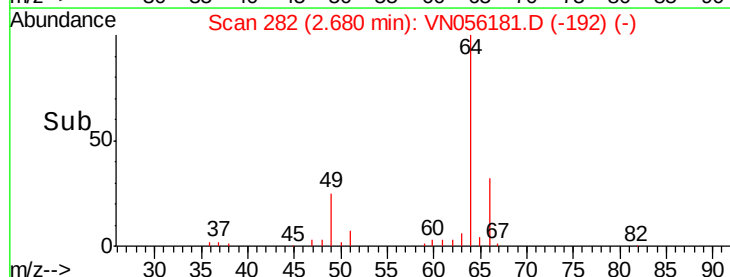


Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)

2.68

Time-->



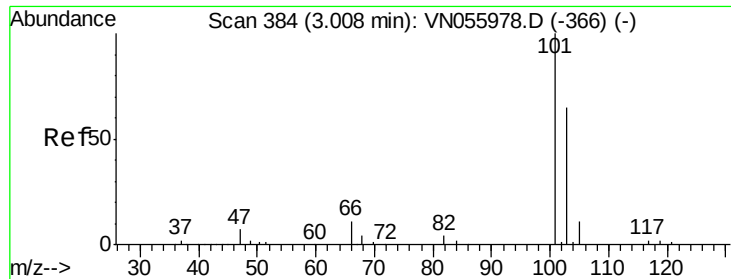
Abundance

Ion 63.90 (63.60 to 64.60): VN056181.D (-192) (-)

Ion 65.90 (65.60 to 66.60): VN056181.D (-192) (-)

2.68

Time-->

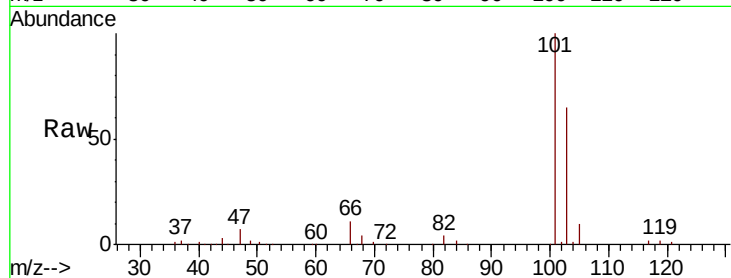


#7

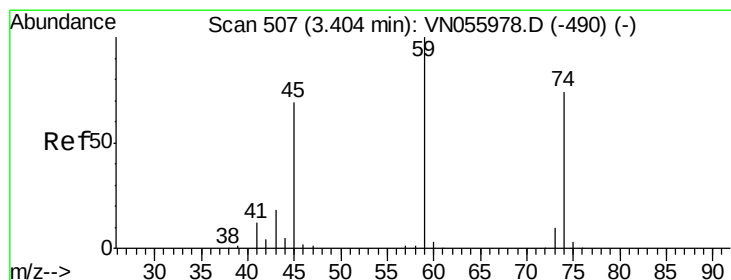
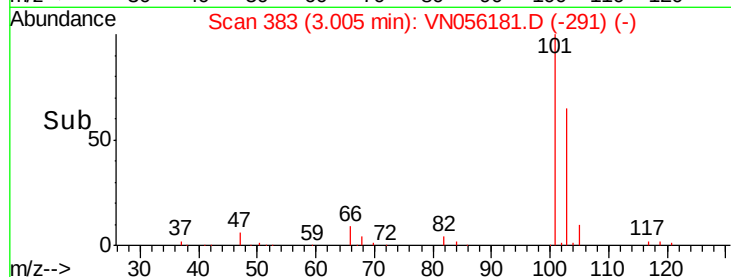
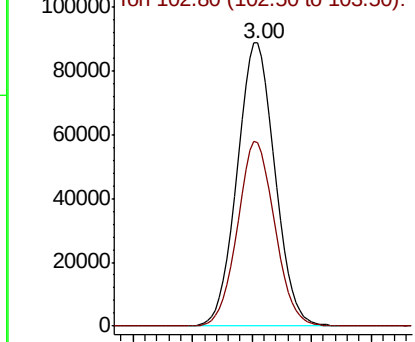
Trichlorofluoromethane
Concen: 49.998 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Instrument :
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Tot Ion:101 Resp: 195256
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8



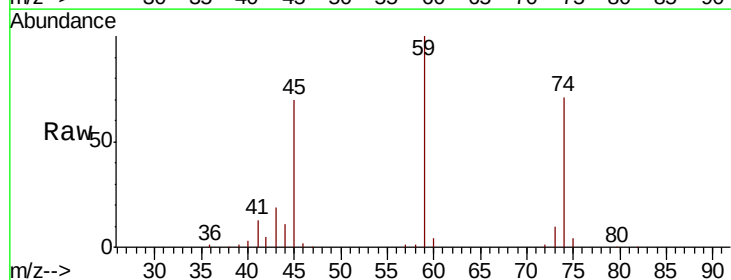
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



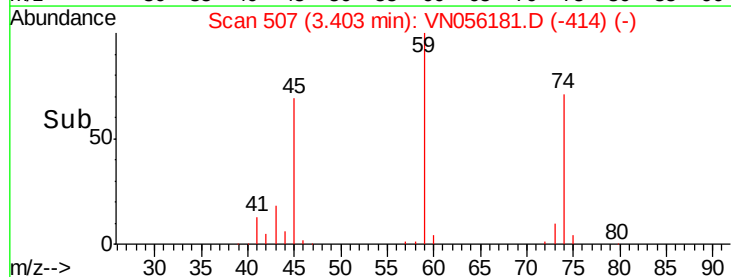
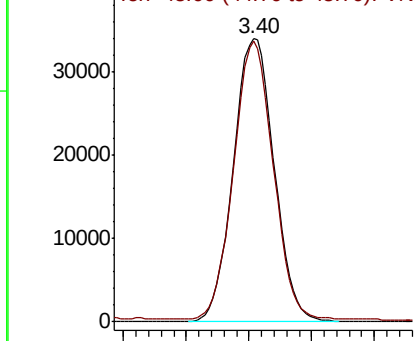
#8

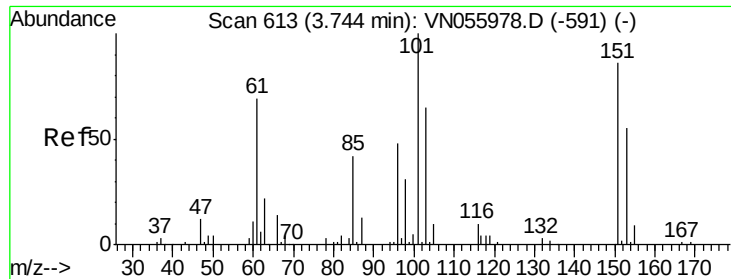
Diethyl Ether
Concen: 47.918 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 74 Resp: 76956
Ion Ratio Lower Upper
74 100
45 94.6 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.951 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056181.D

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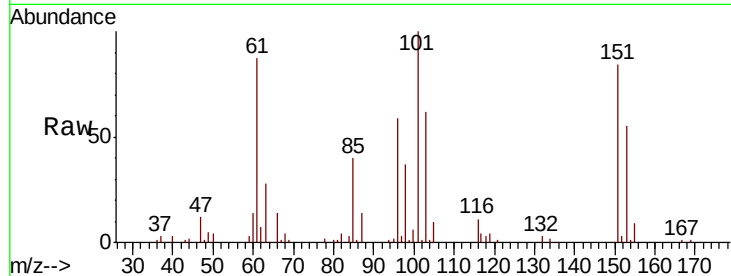
Tot Ion:101 Resp: 120869

Ion Ratio Lower Upper

101 100

85 41.1 33.4 50.2

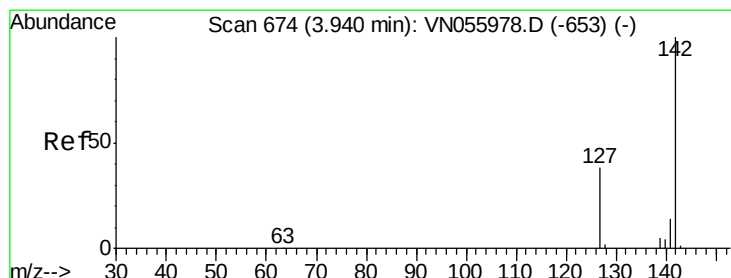
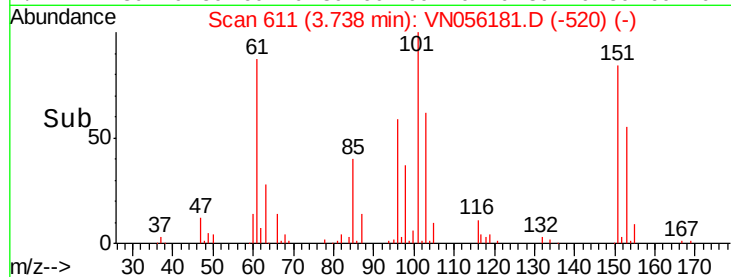
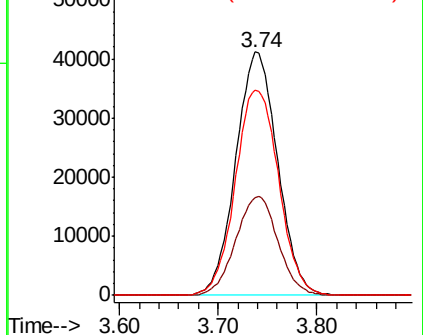
151 87.6 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.772 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

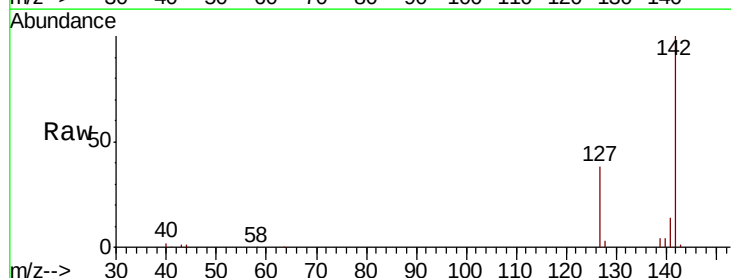
Tgt Ion:142 Resp: 176326

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

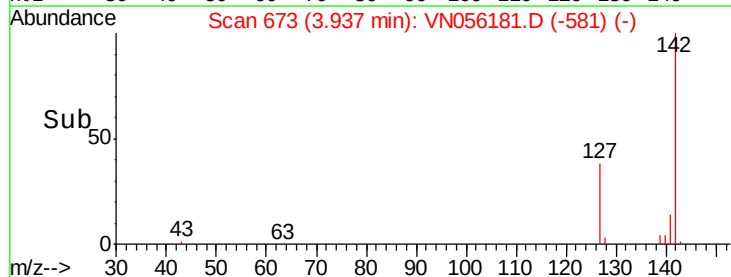
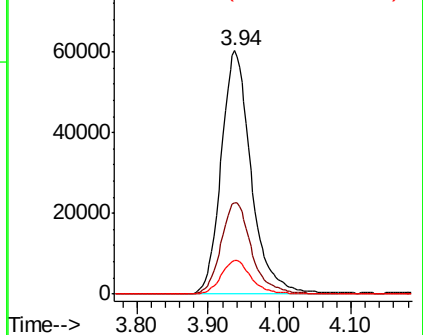
141 14.0 11.4 17.0

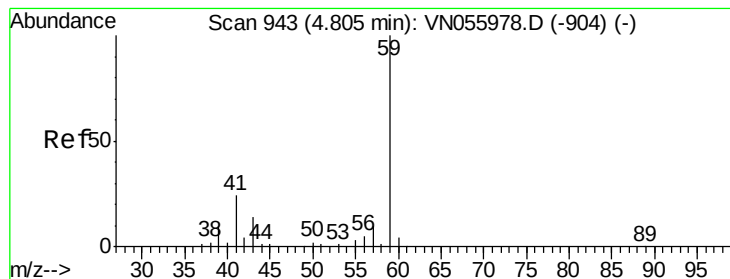


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



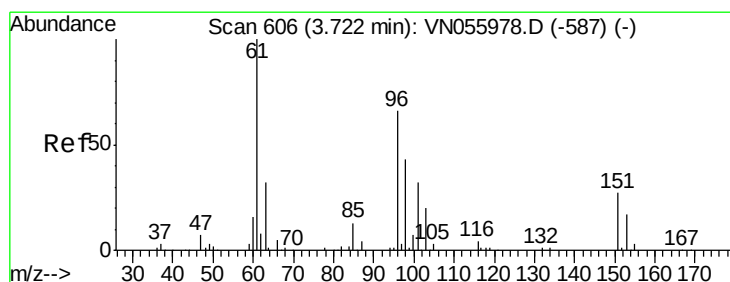
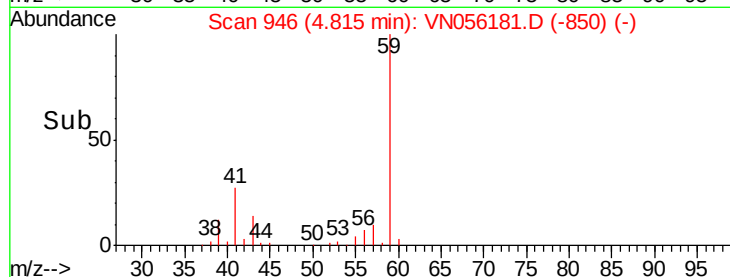
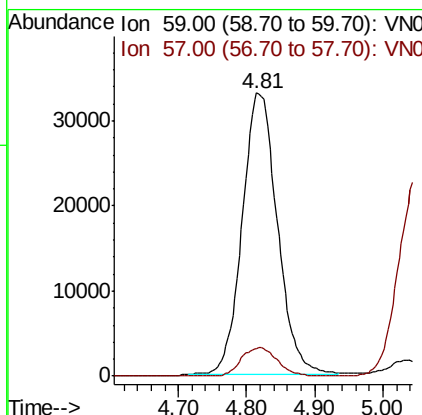
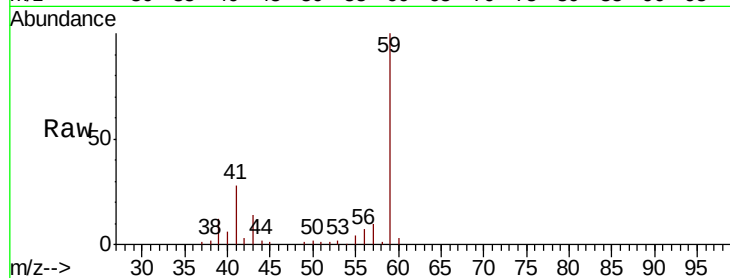


#11

Tert butyl alcohol
 Concen: 244.927 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

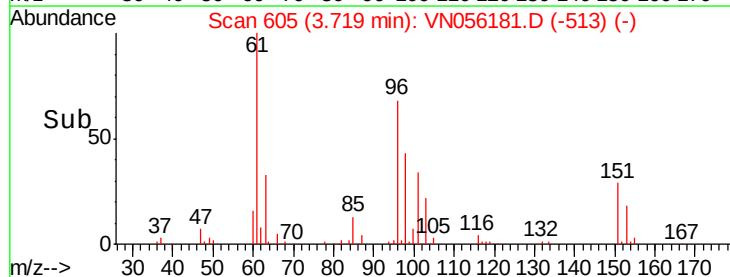
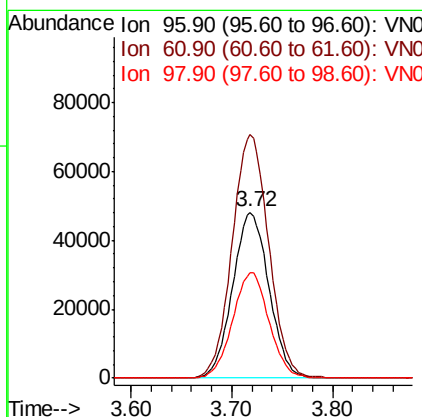
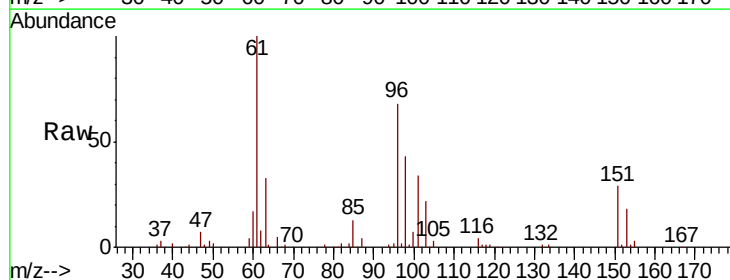
Tot Ion: 59 Resp: 119062
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.8 11.6

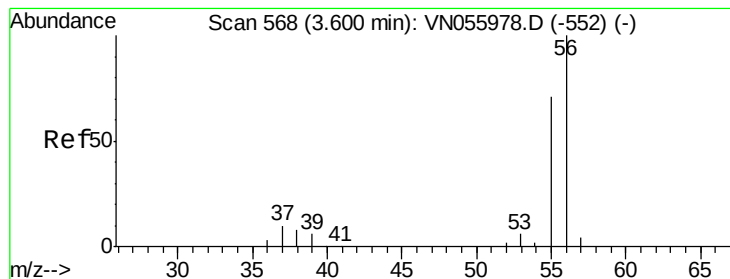


#12

1,1-Dichloroethene
 Concen: 50.882 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Tgt Ion: 96 Resp: 120171
 Ion Ratio Lower Upper
 96 100
 61 146.7 123.2 184.8
 98 63.4 50.4 75.6





#13

Acrolein

Concen: 299.597 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

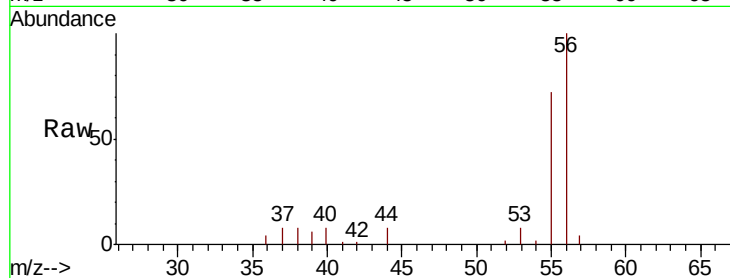
VSTDCCC050EC

Tot Ion: 56 Resp: 42003

Ion Ratio Lower Upper

56 100

55 69.5 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

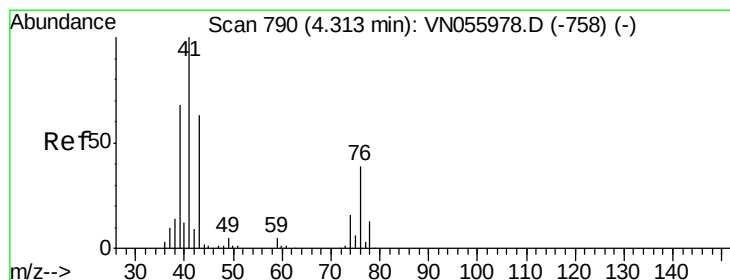
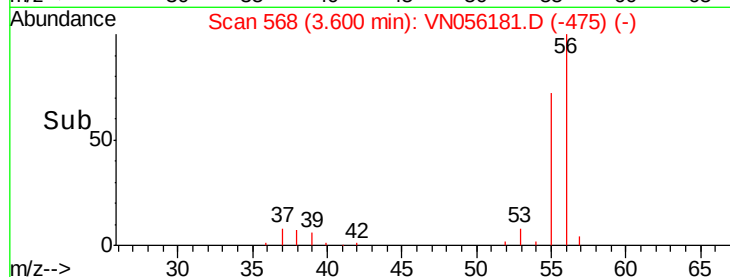
5000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.60



#14

Allyl chloride

Concen: 51.571 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

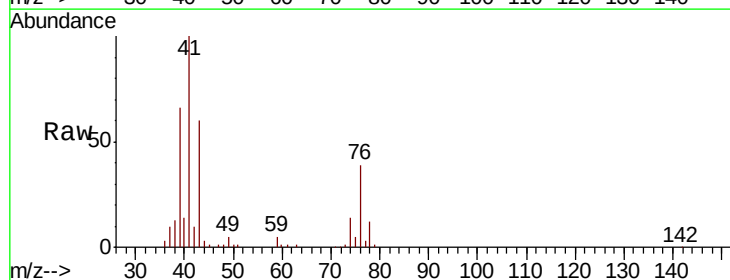
Tgt Ion: 41 Resp: 192325

Ion Ratio Lower Upper

41 100

39 61.5 50.0 75.0

76 34.4 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

40000

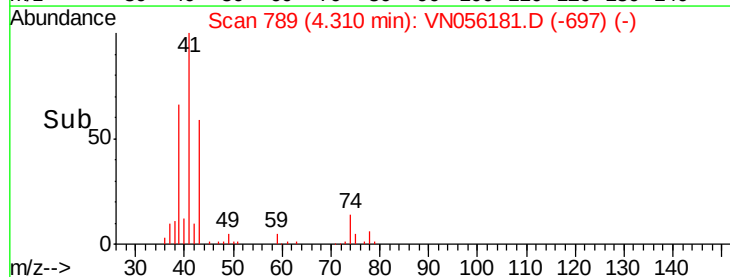
20000

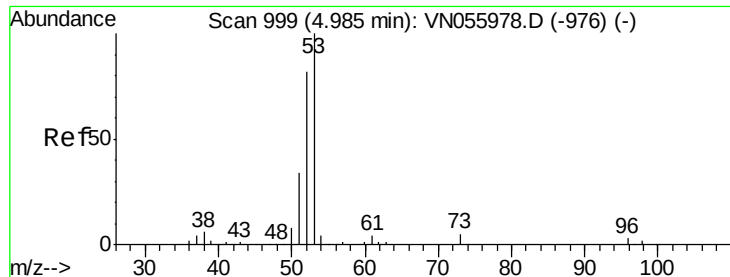
0

Time-->

4.20 4.30 4.40

4.31





#15

Acrylonitrile

Concen: 292.140 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

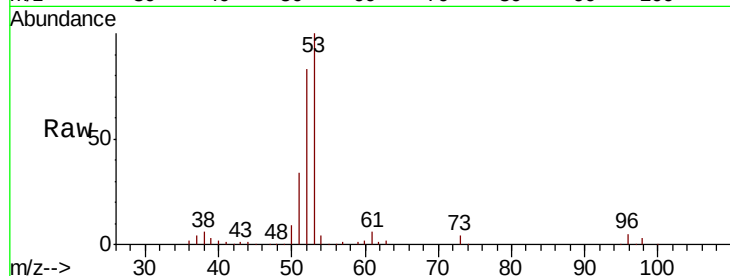
Tot Ion: 53 Resp: 345699

Ion Ratio Lower Upper

53 100

52 81.8 65.8 98.8

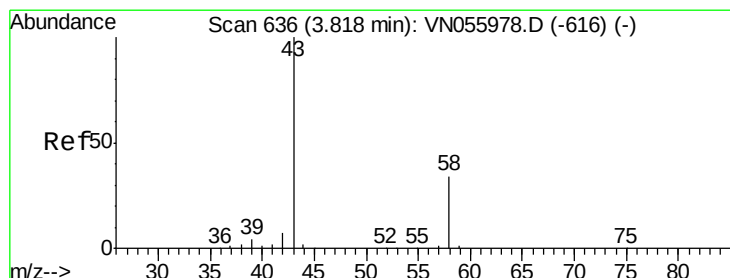
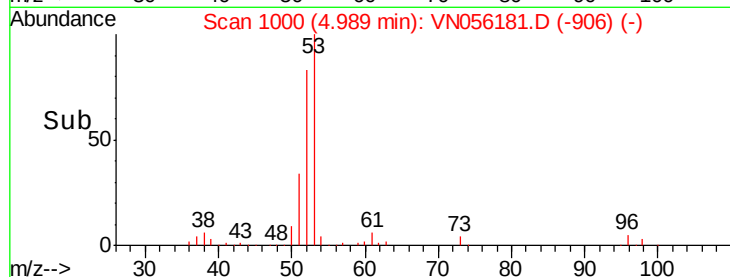
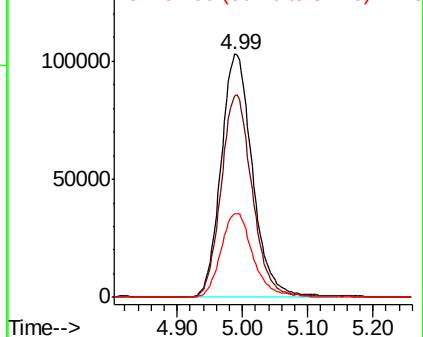
51 35.3 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 220.233 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056181.D

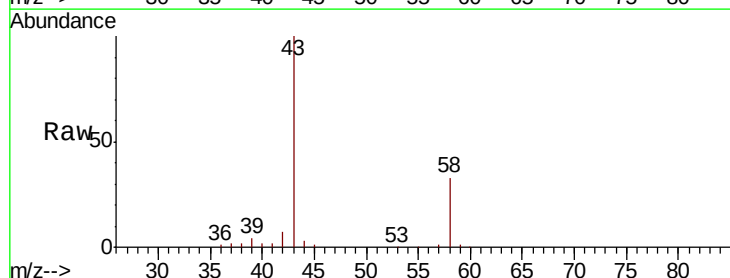
Acq: 10 Jun 2019 19:59

Tgt Ion: 43 Resp: 294230

Ion Ratio Lower Upper

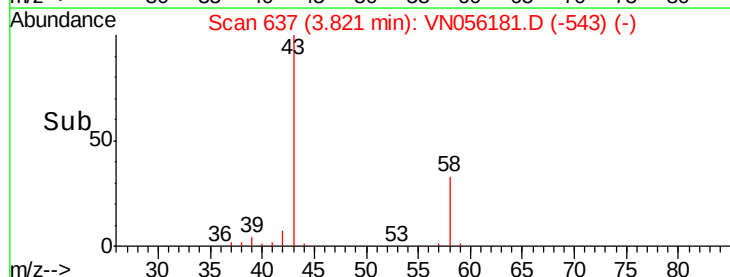
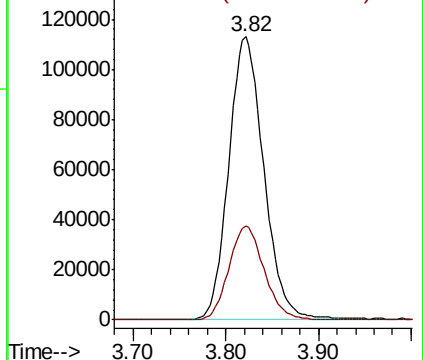
43 100

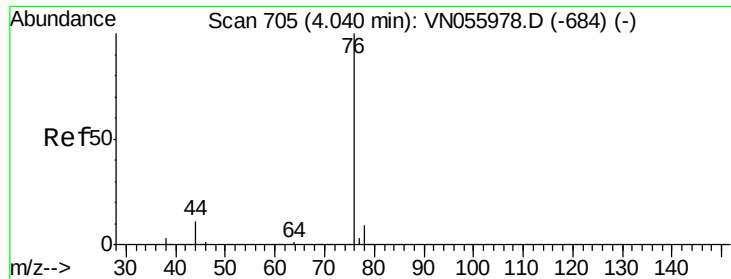
58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

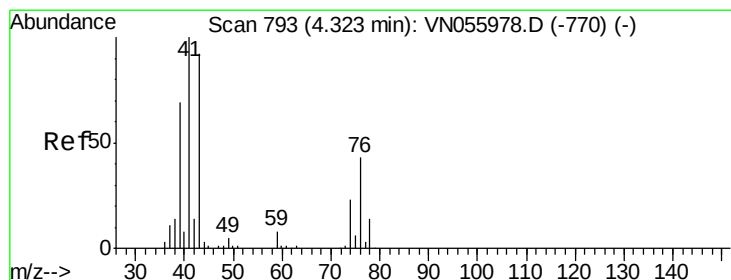
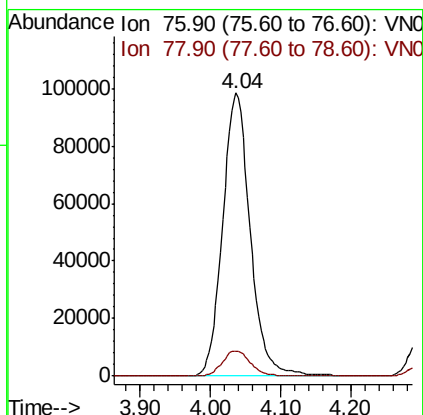
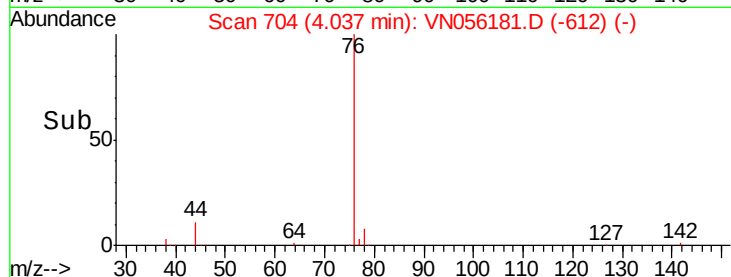
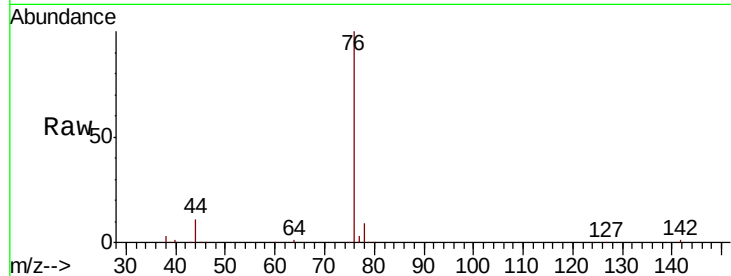




#17
Carbon Disulfide
Concen: 47.670 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

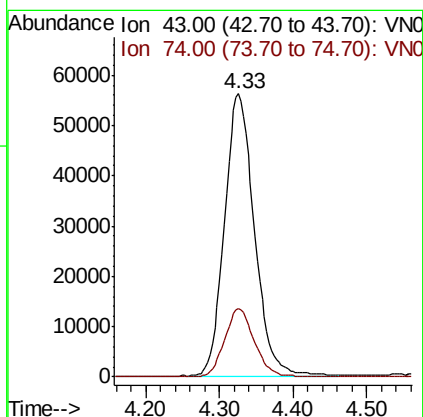
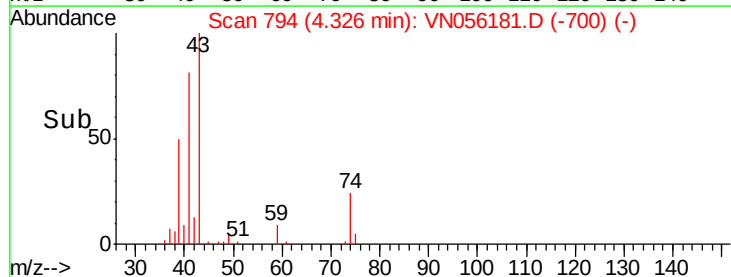
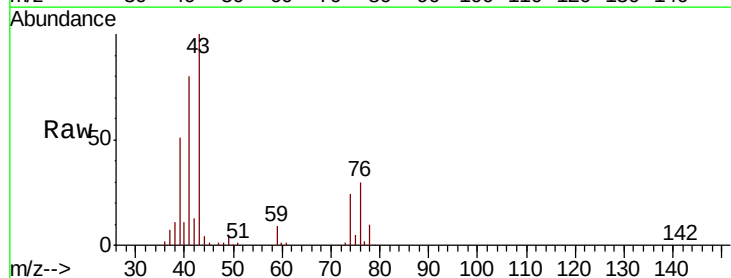
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

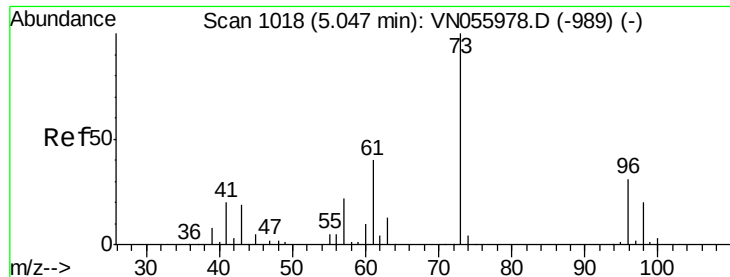
Tot Ion: 76 Resp: 269565
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 60.222 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 43 Resp: 157729
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9

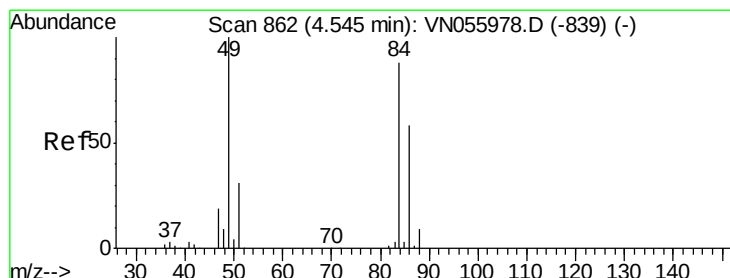
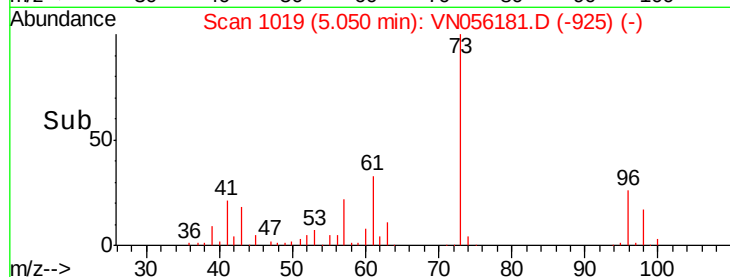
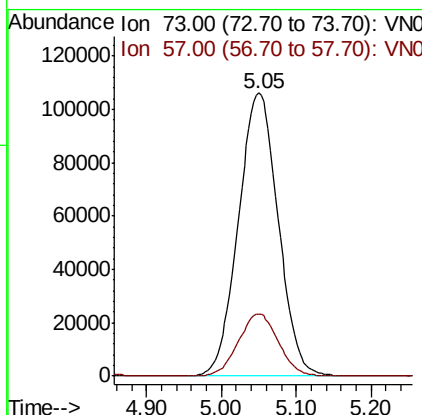
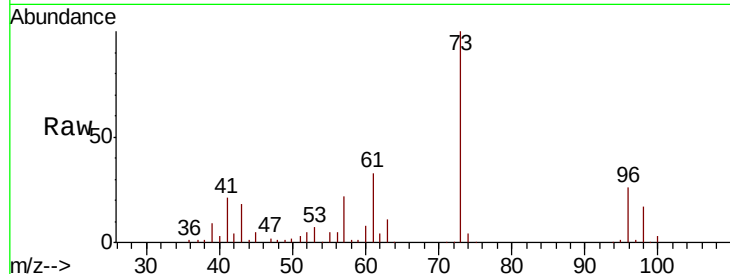




#19
Methyl tert-butyl Ether
Concen: 52.154 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

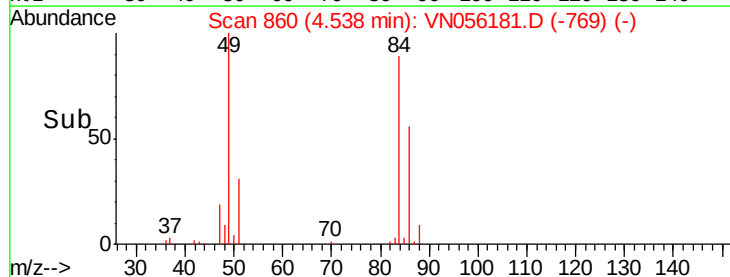
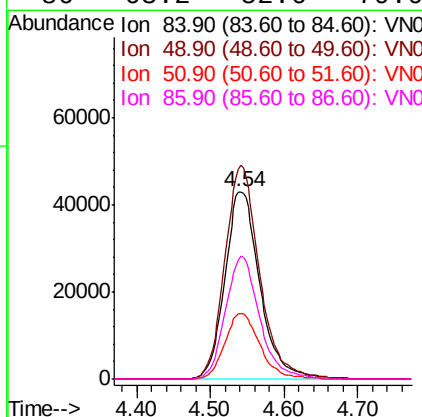
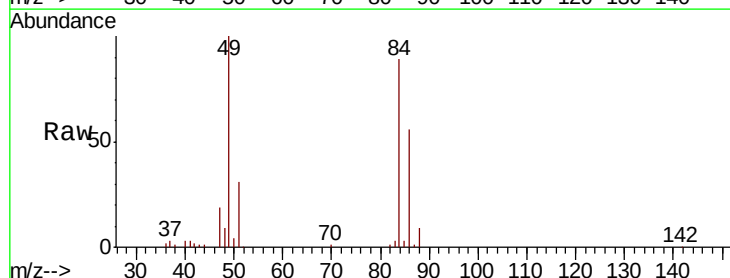
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

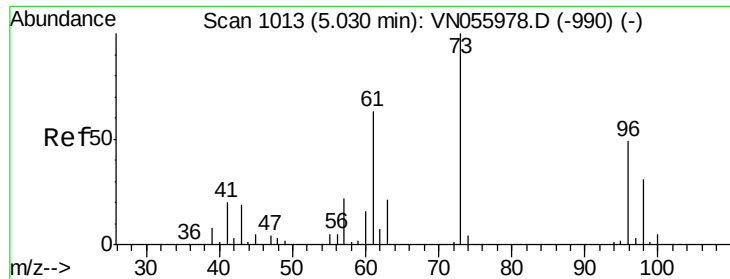
Tot Ion: 73 Resp: 392621
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 51.597 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 84 Resp: 142018
Ion Ratio Lower Upper
84 100
49 112.1 93.5 140.3
51 34.5 28.6 43.0
86 63.2 52.6 79.0

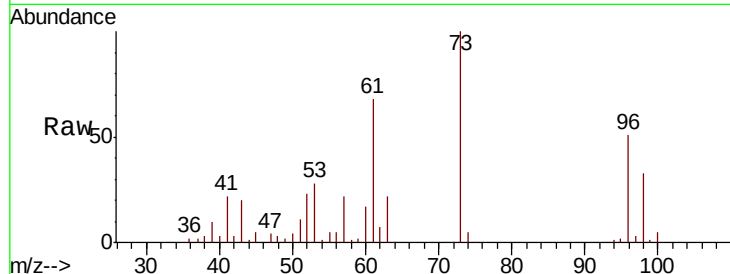




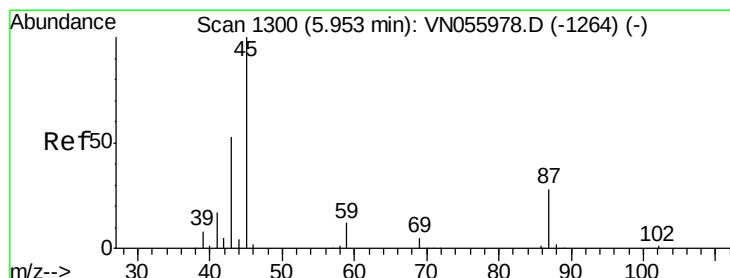
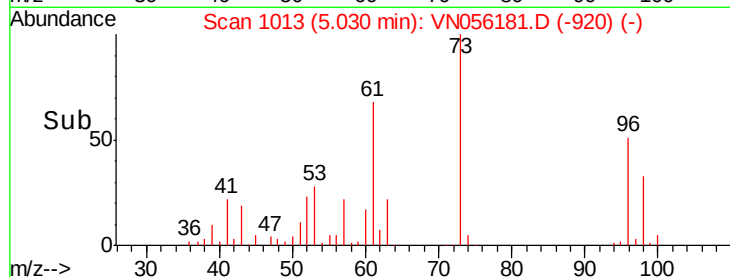
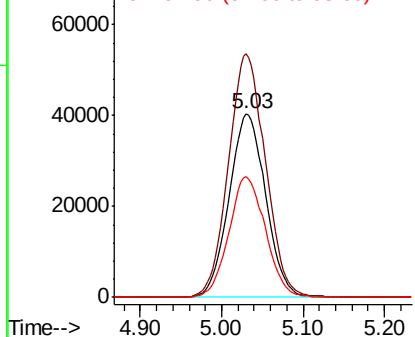
#21
trans-1,2-Dichloroethene
Concen: 49.975 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 126462
Ion Ratio Lower Upper
96 100
61 132.6 107.8 161.8
98 65.5 49.8 74.8

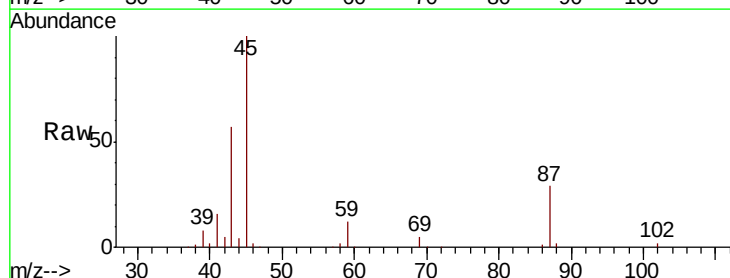


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

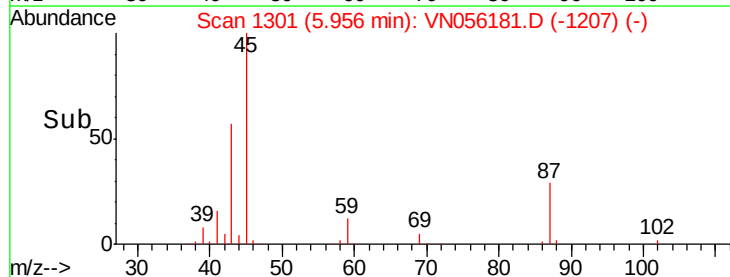
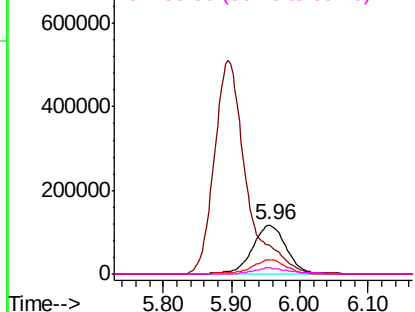


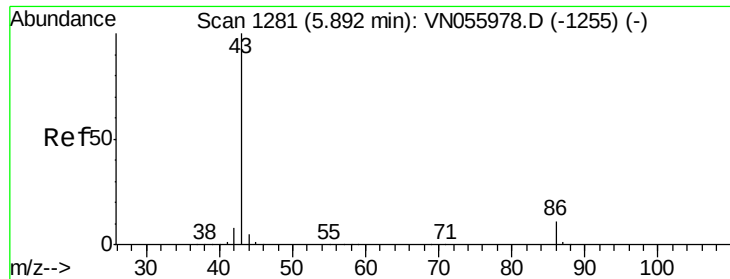
#22
Diisopropyl ether
Concen: 52.474 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 45 Resp: 404529
Ion Ratio Lower Upper
45 100
43 56.0 45.0 67.6
87 28.7 22.2 33.4
59 11.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 274.086 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

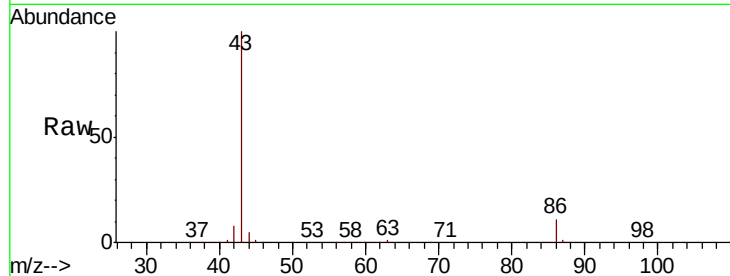
VSTDCCC050EC

Tot Ion: 43 Resp: 1663951

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)

5.90

600000

500000

400000

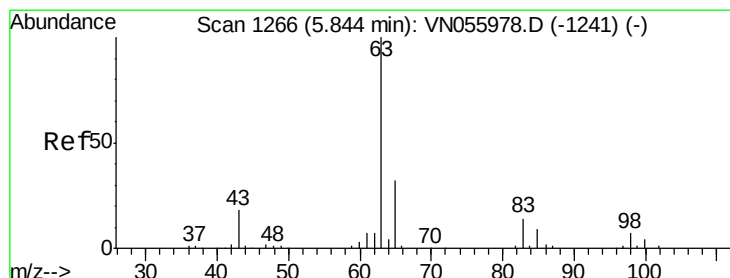
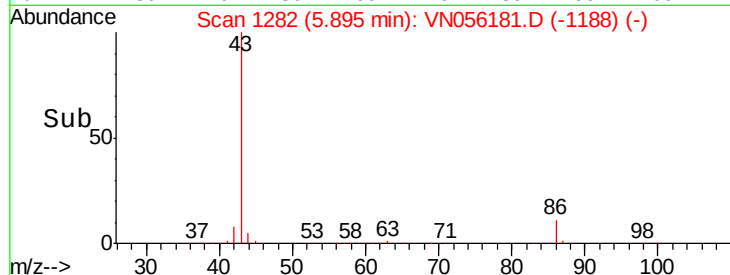
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 52.676 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

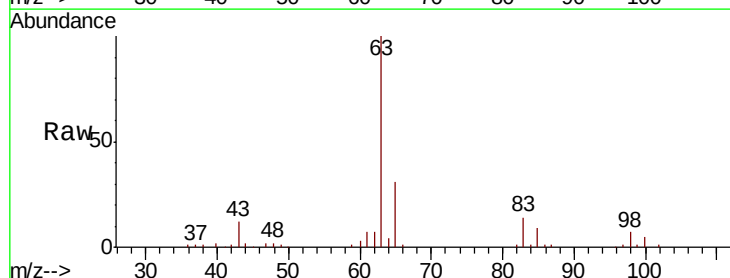
Tgt Ion: 63 Resp: 234245

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

100000

80000

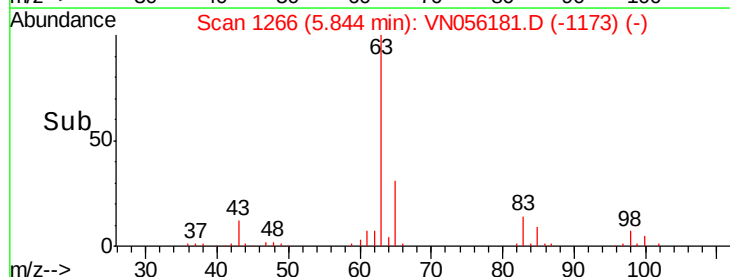
60000

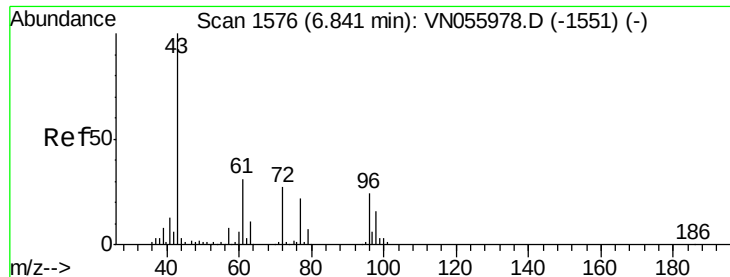
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

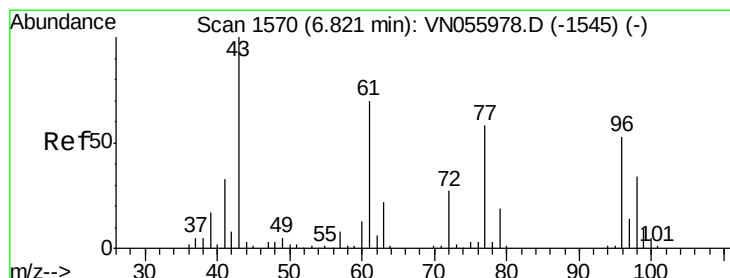
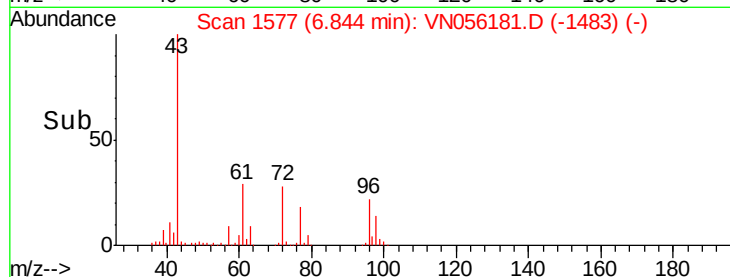
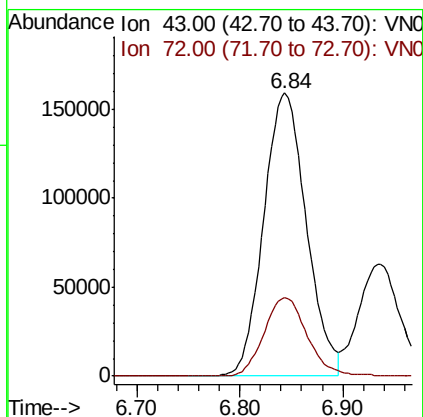
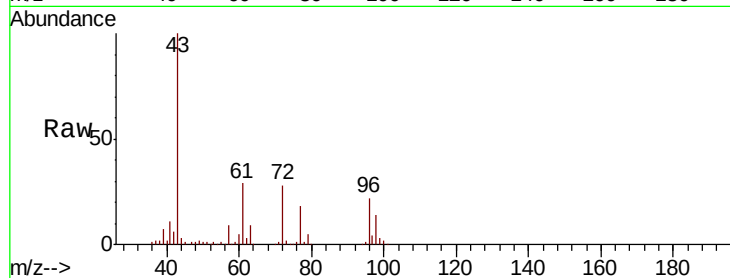




#25
2-Butanone
Concen: 270.388 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

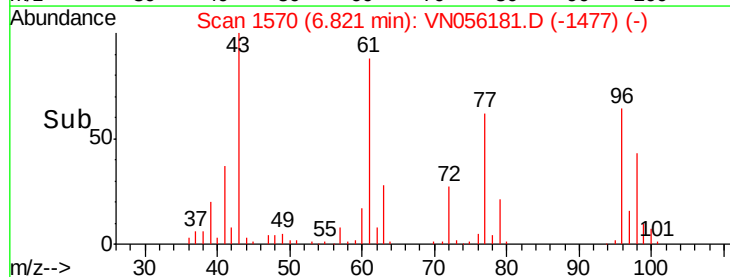
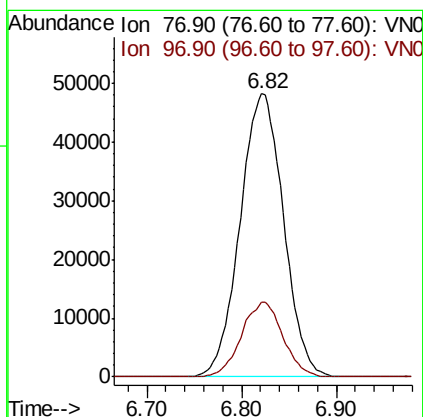
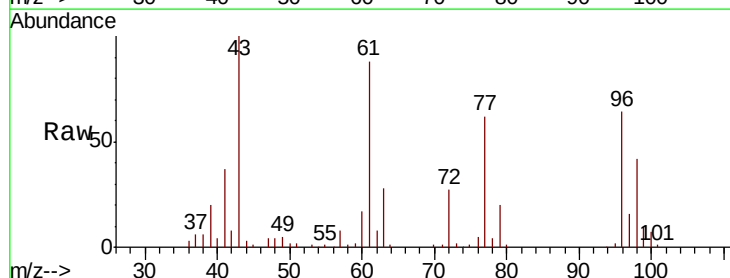
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

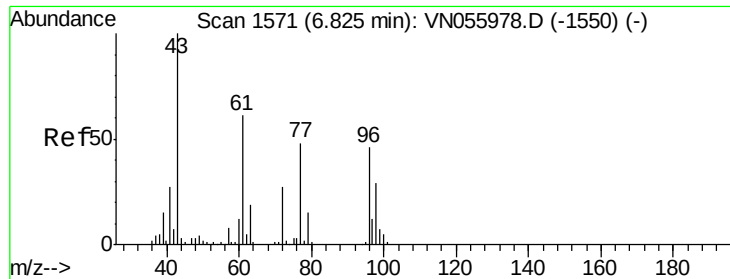
Tot Ion: 43 Resp: 456412
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 44.304 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 77 Resp: 153735
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.299 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

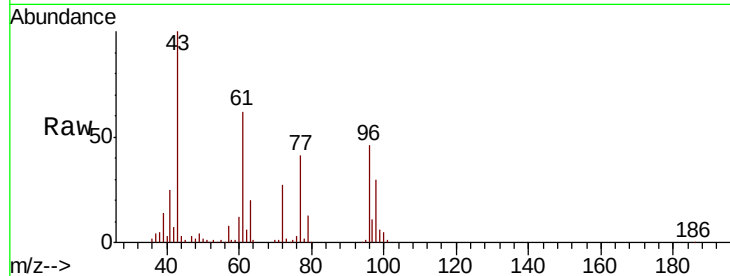
Tot Ion: 96 Resp: 152591

Ion Ratio Lower Upper

96 100

61 134.2 0.0 275.8

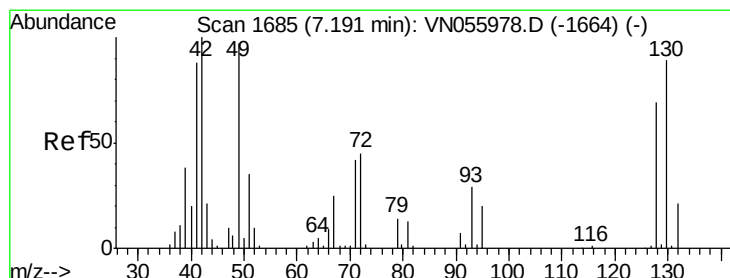
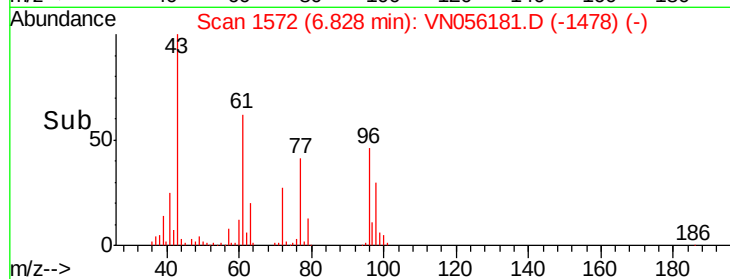
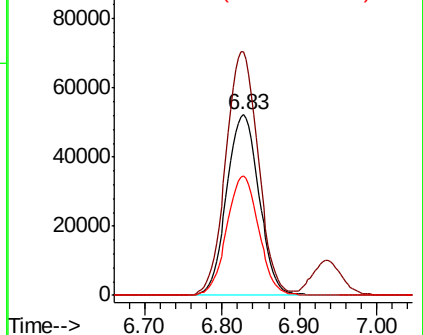
98 65.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 53.131 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

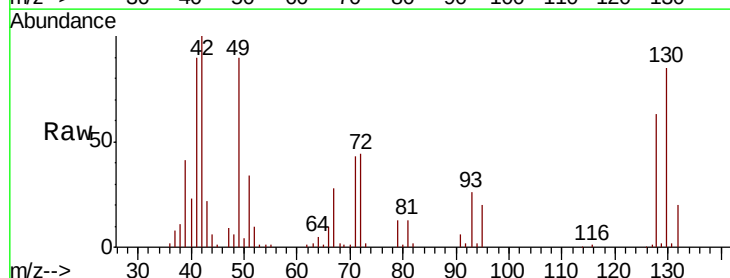
Tgt Ion: 49 Resp: 111732

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

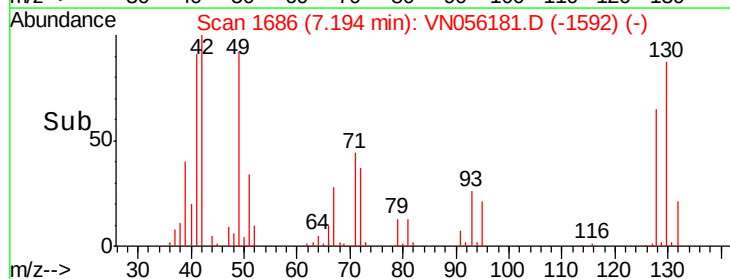
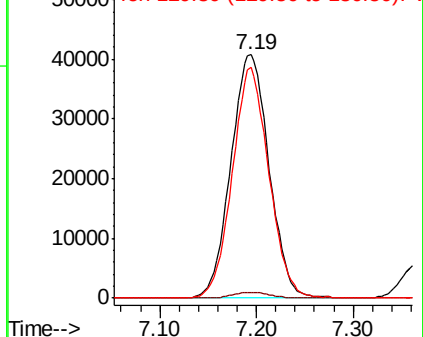
130 90.6 71.2 106.8

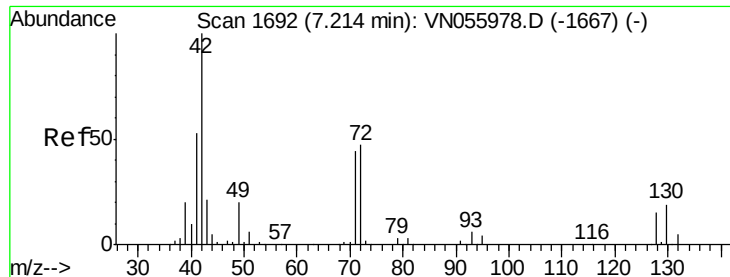


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 285.569 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

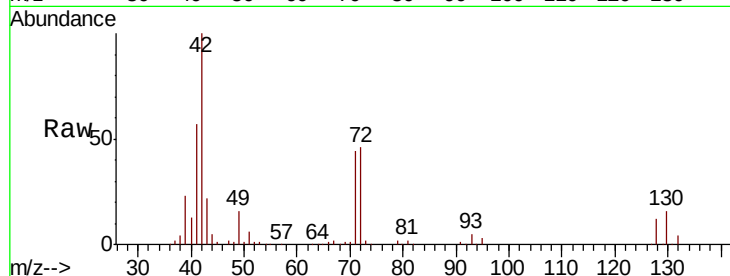
Tot Ion: 42 Resp: 297966

Ion Ratio Lower Upper

42 100

72 45.3 35.9 53.9

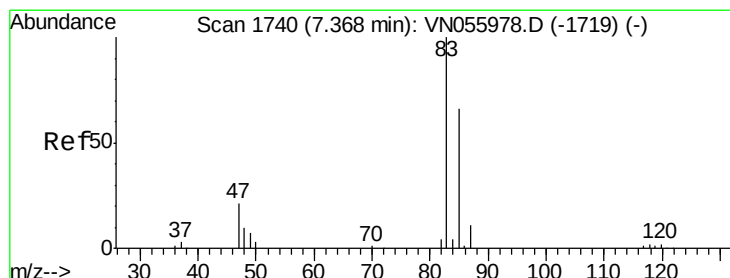
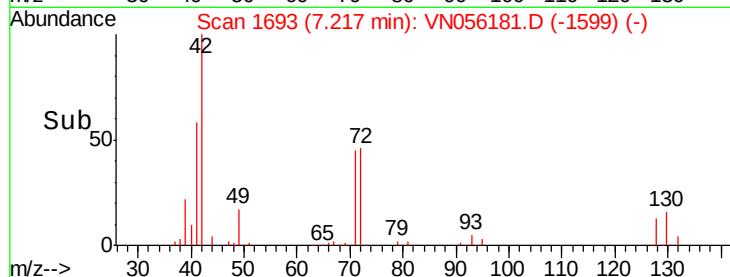
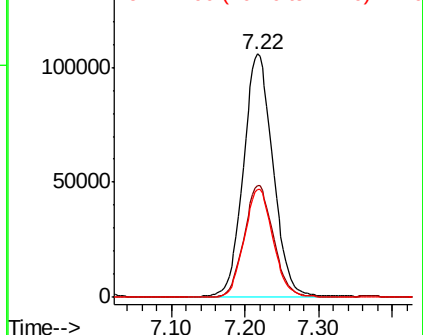
71 43.1 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 53.607 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056181.D

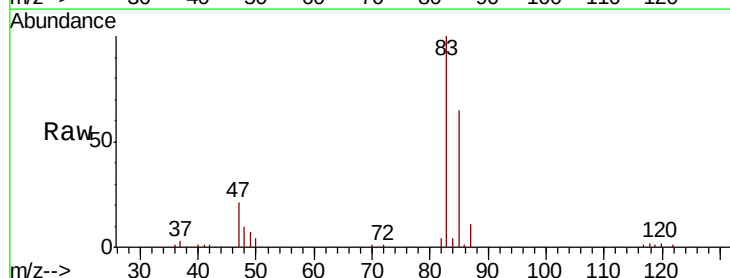
Acq: 10 Jun 2019 19:59

Tgt Ion: 83 Resp: 239808

Ion Ratio Lower Upper

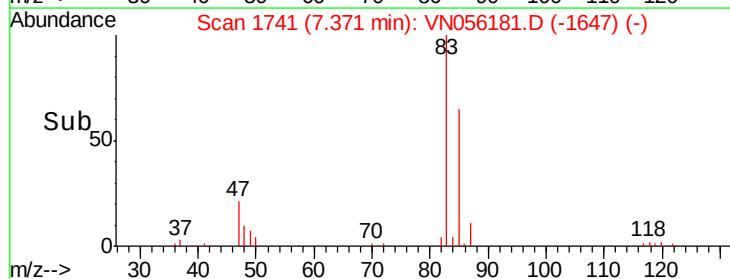
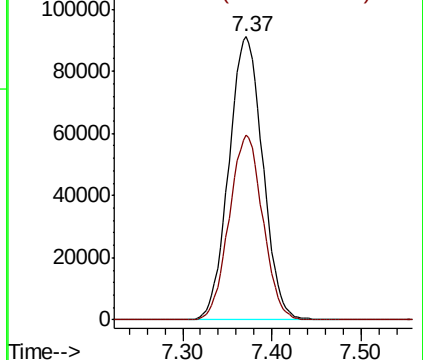
83 100

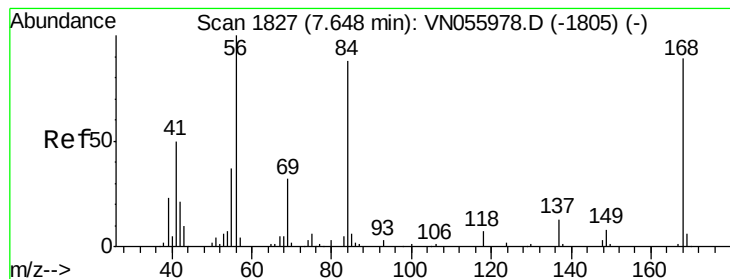
85 65.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.468 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

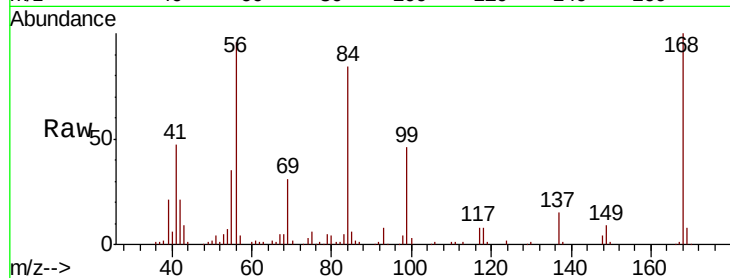
Tot Ion: 56 Resp: 205970

Ion Ratio Lower Upper

56 100

69 32.2 25.6 38.4

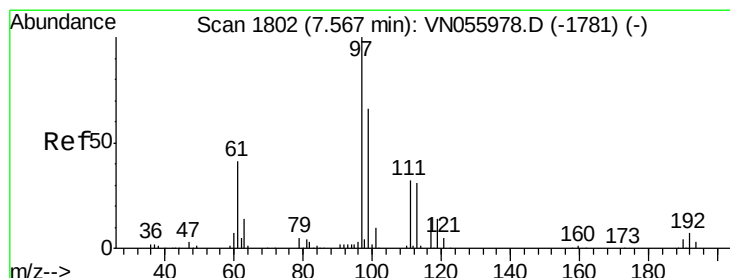
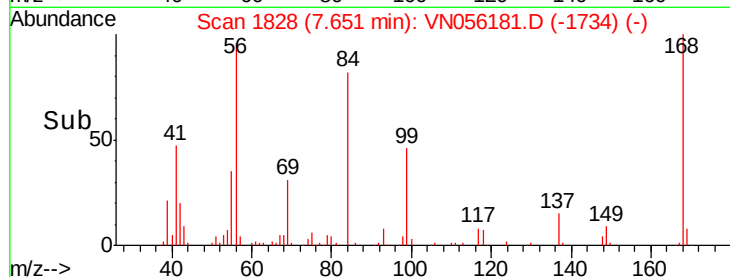
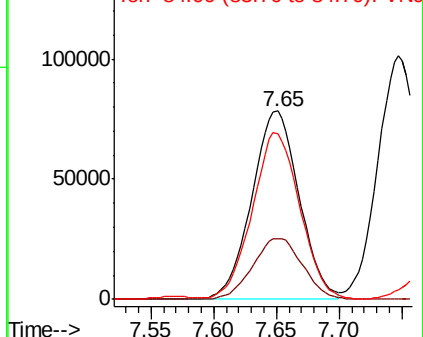
84 86.5 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 52.931 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

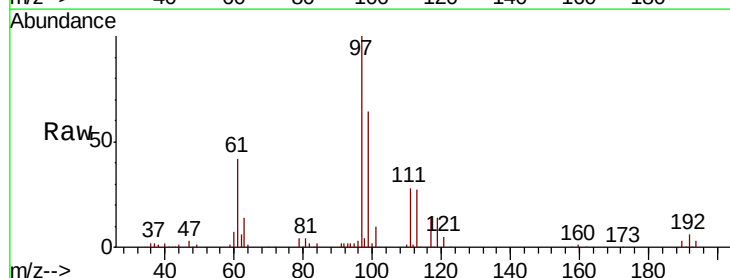
Tgt Ion: 97 Resp: 197728

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

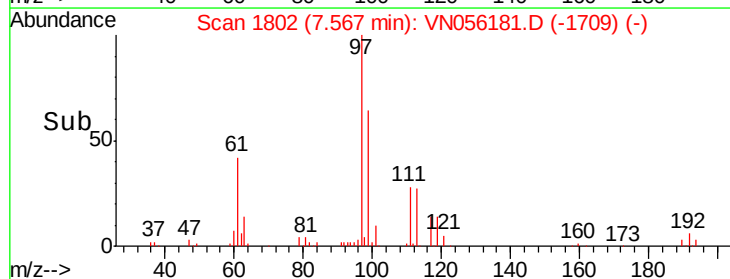
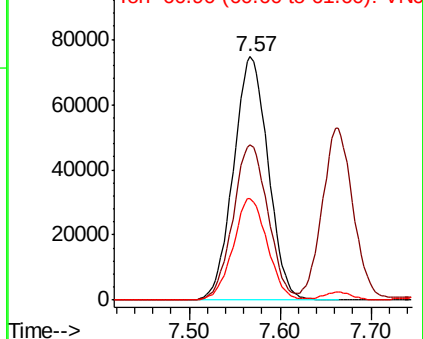
61 41.4 32.9 49.3

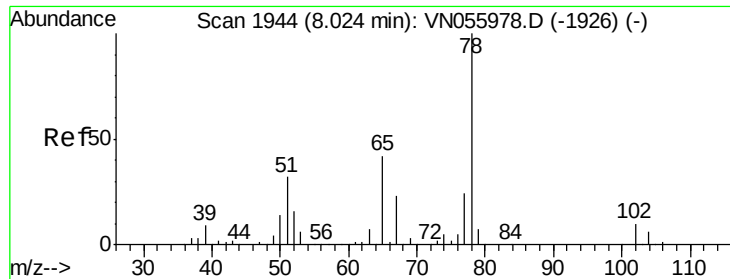


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

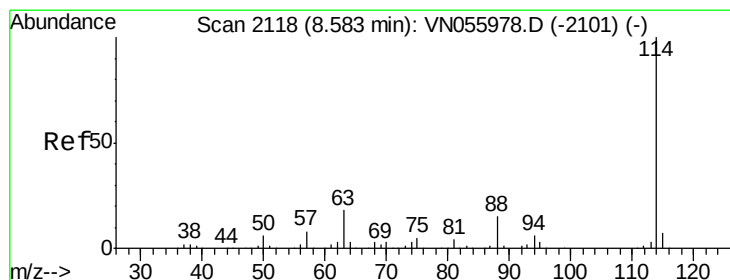
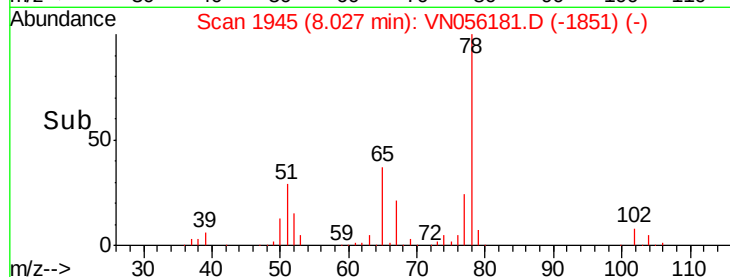
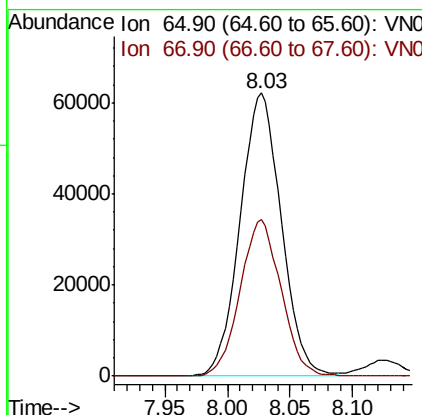
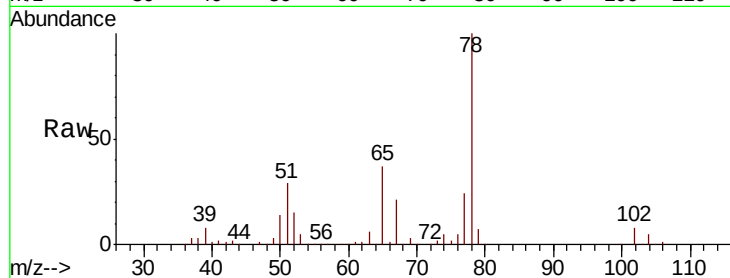




#33
 1,2-Dichloroethane-d4
 Concen: 50.840 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

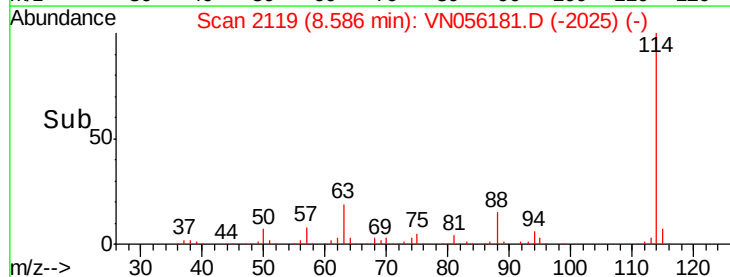
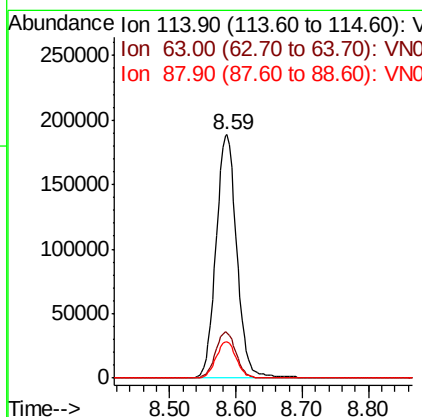
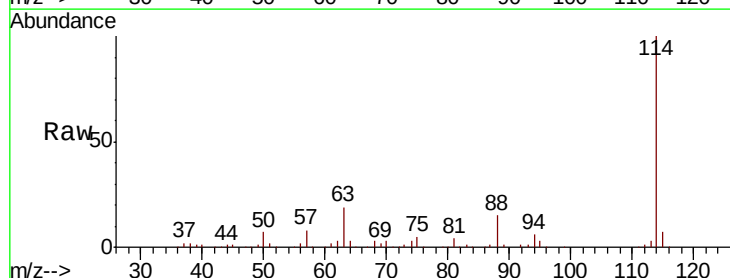
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

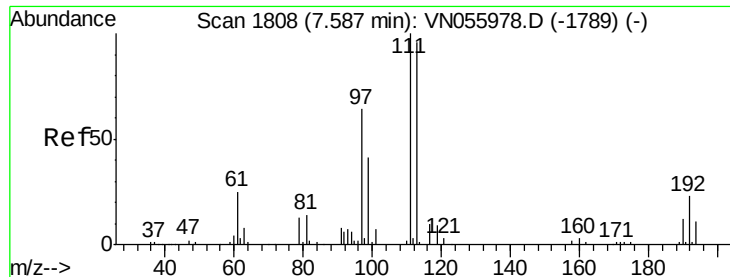
Tot Ion: 65 Resp: 142017
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Tgt Ion: 114 Resp: 409519
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.9 0.0 31.0

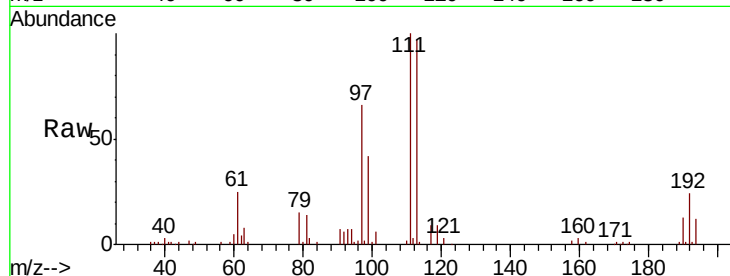




#35
 Dibromofluoromethane
 Concen: 51.326 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	24.3	19.5	29.3

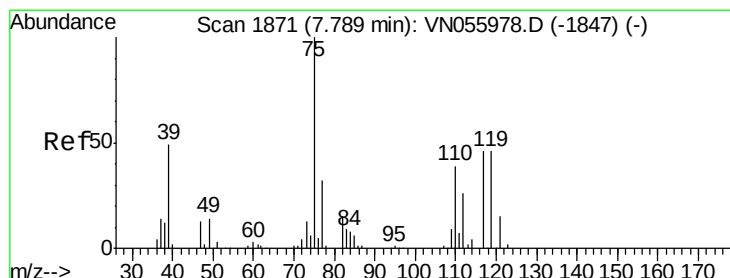
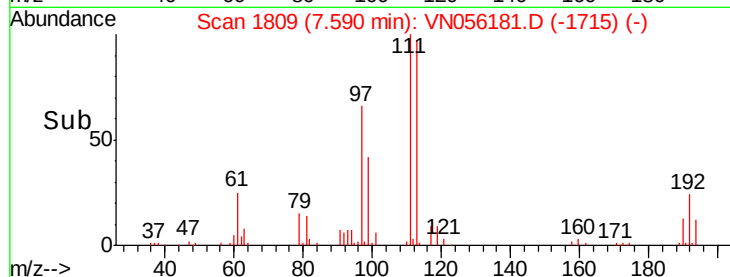
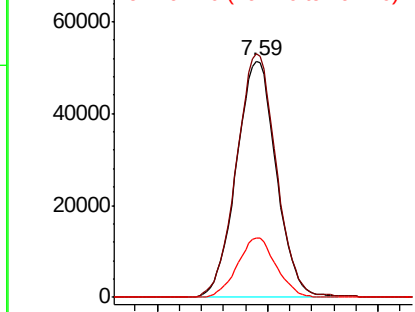


Abundance

Ion 112.80 (112.50 to 113.50): V

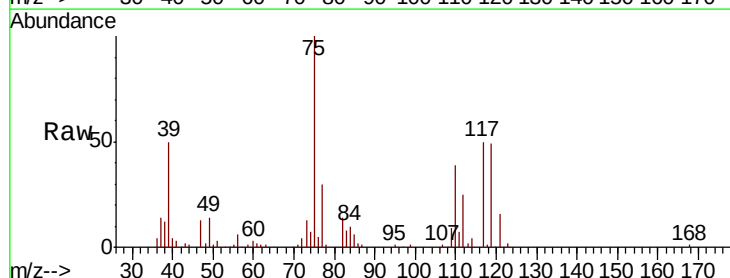
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.940 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.0	57.0
77	31.0	25.1	37.7

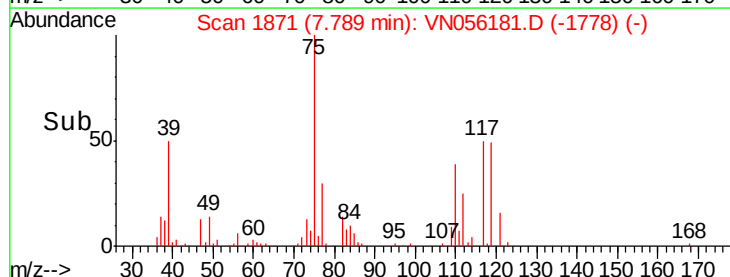
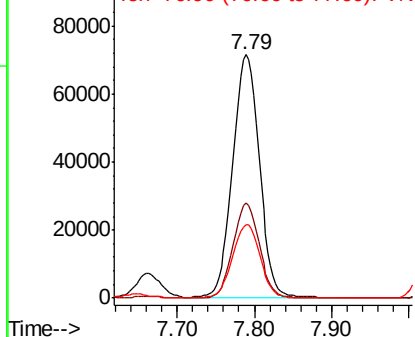


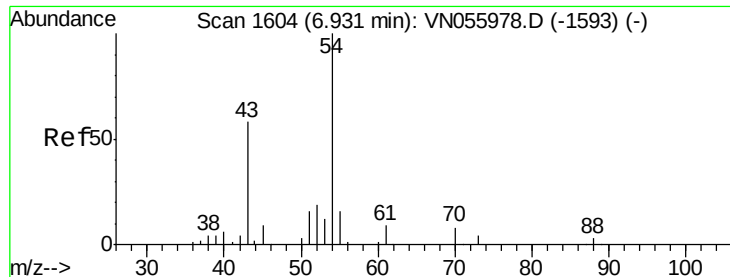
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

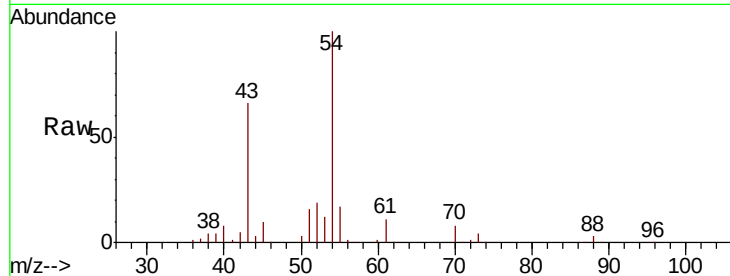




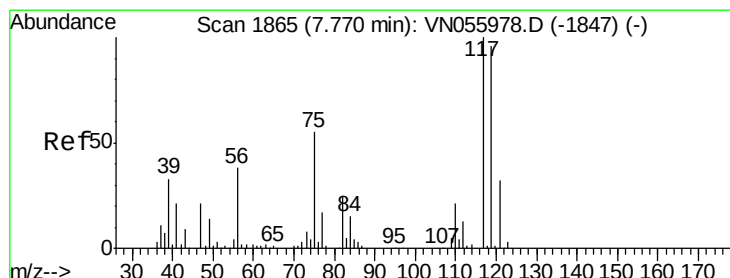
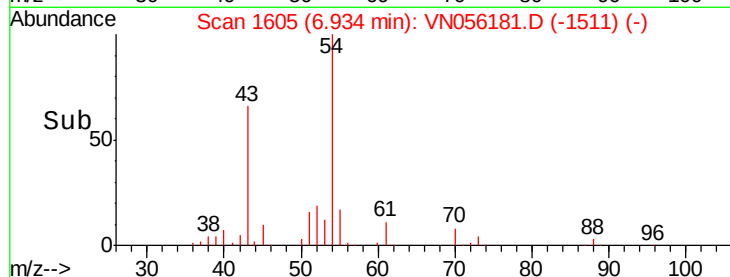
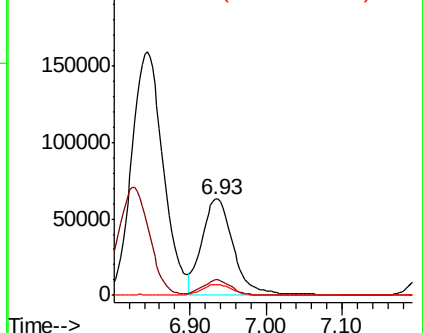
#37
Ethyl Acetate
Concen: 57.211 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 179248
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.2
70 11.1 8.9 13.3

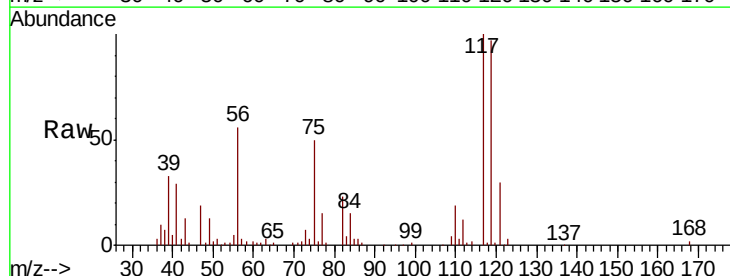


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

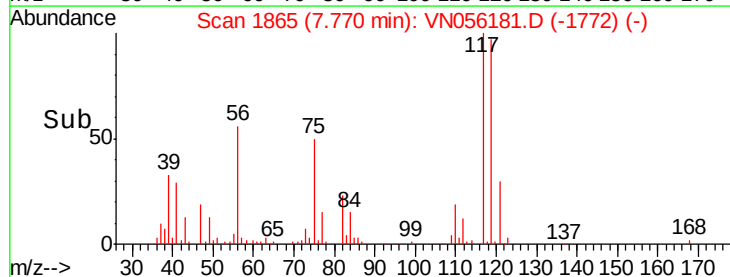
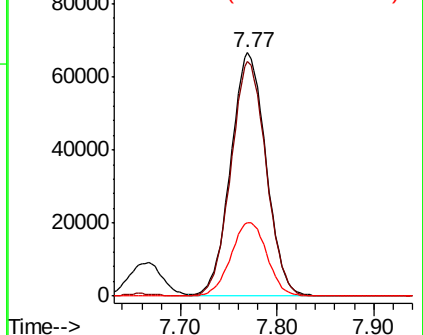


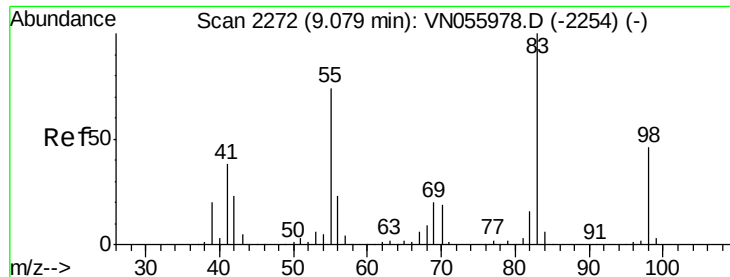
#38
Carbon Tetrachloride
Concen: 52.165 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 117 Resp: 169351
Ion Ratio Lower Upper
117 100
119 96.5 79.0 118.6
121 30.2 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

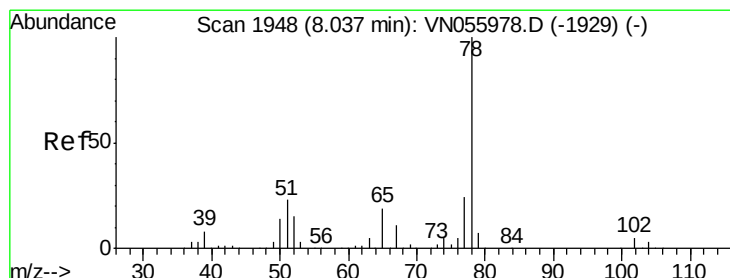
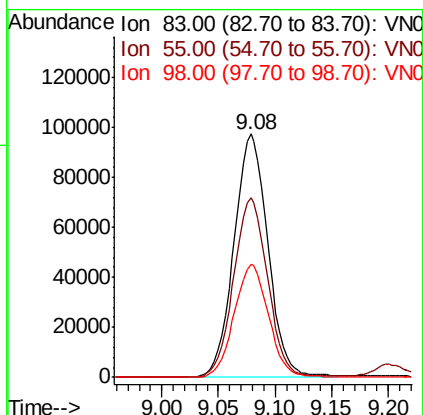
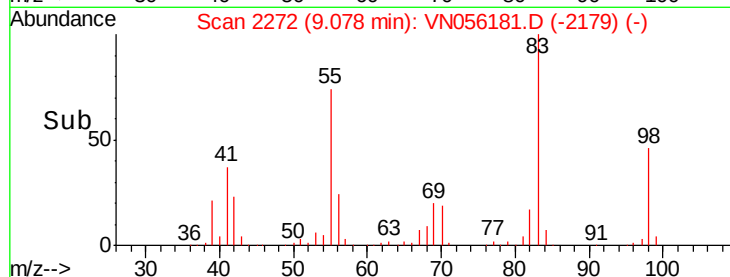
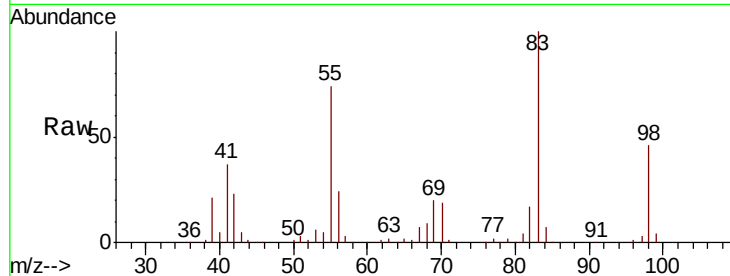




#39
Methylvlcyclohexane
Concen: 46.433 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

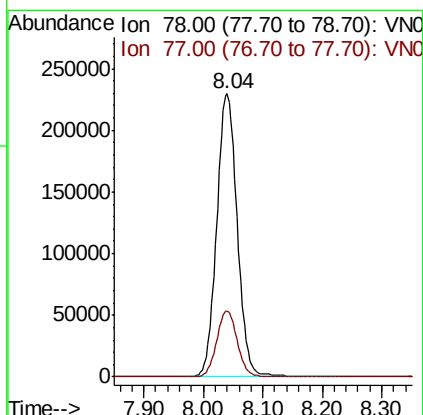
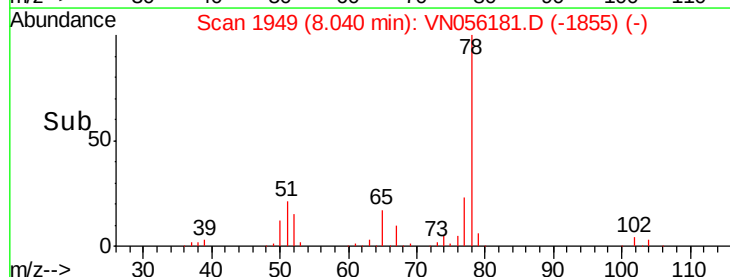
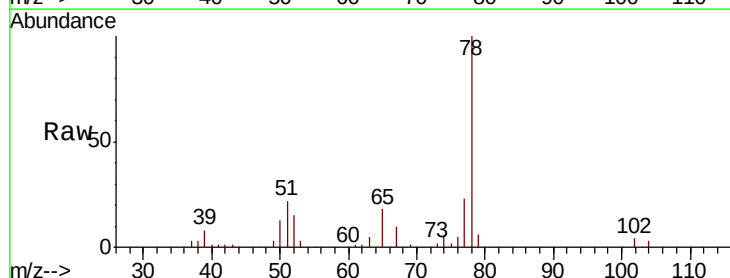
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

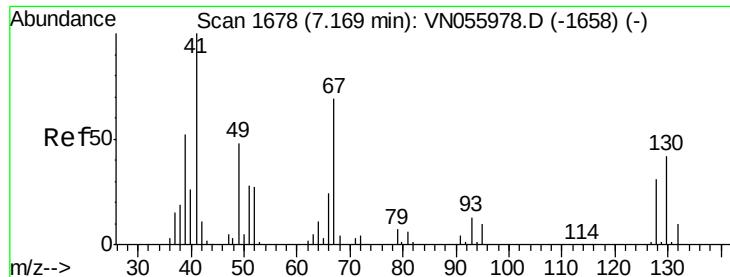
Tot Ion: 83 Resp: 203678
Ion Ratio Lower Upper
83 100
55 73.9 59.3 88.9
98 46.4 36.6 54.8



#40
Benzene
Concen: 51.231 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 78 Resp: 547912
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 52.892 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 76245

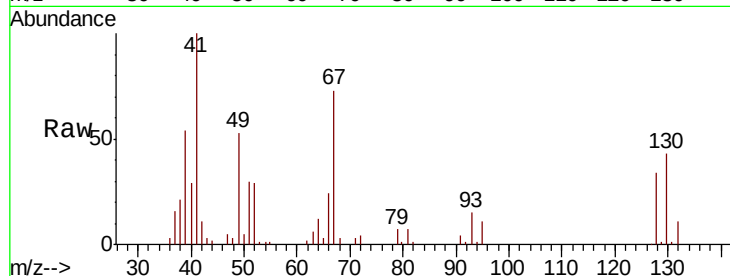
Ion Ratio Lower Upper

41 100

39 61.7 45.6 68.4

67 98.9 67.7 101.5

52 38.8 26.6 40.0

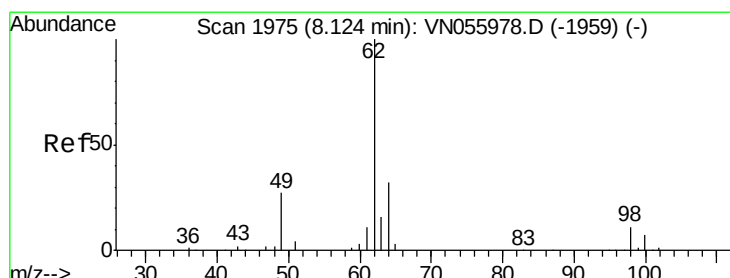
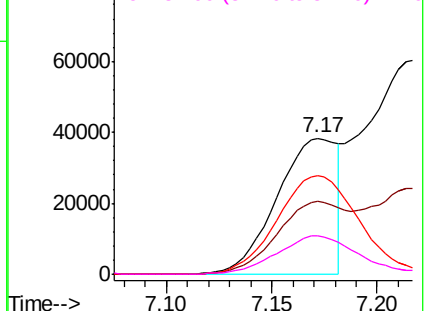
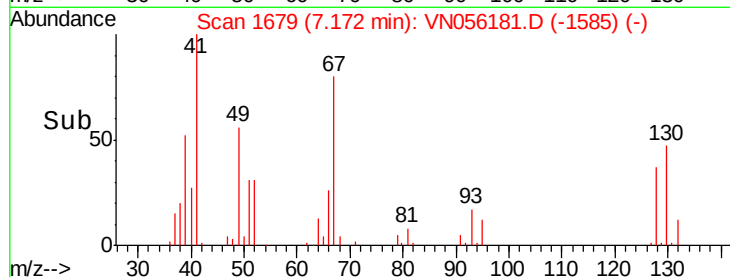


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-1658) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-1658) (-)

Ion 67.00 (66.70 to 67.70): VN055978.D (-1658) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-1658) (-)



#42

1,2-Dichloroethane

Concen: 50.828 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN056181.D

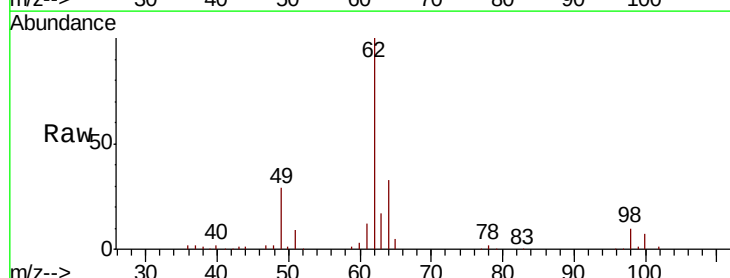
Acq: 10 Jun 2019 19:59

Tgt Ion: 62 Resp: 174857

Ion Ratio Lower Upper

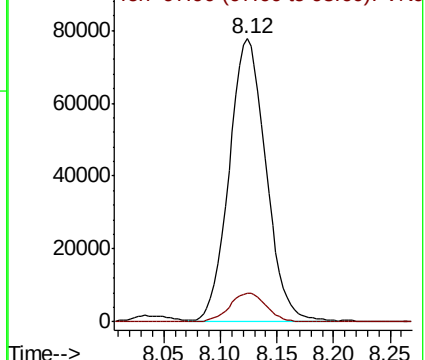
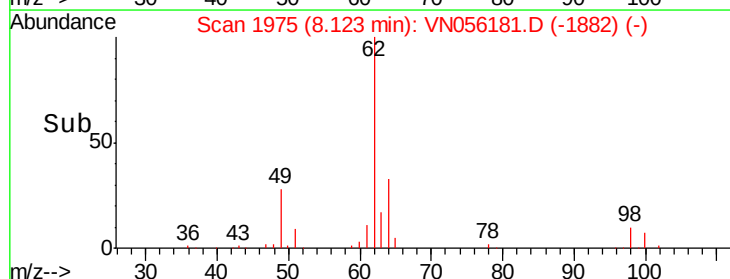
62 100

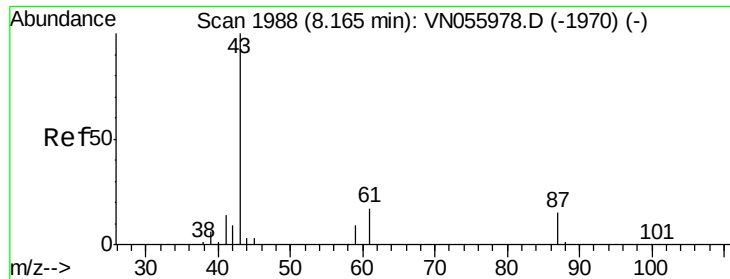
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1959) (-)





#43

Isopropyl Acetate

Concen: 54.331 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

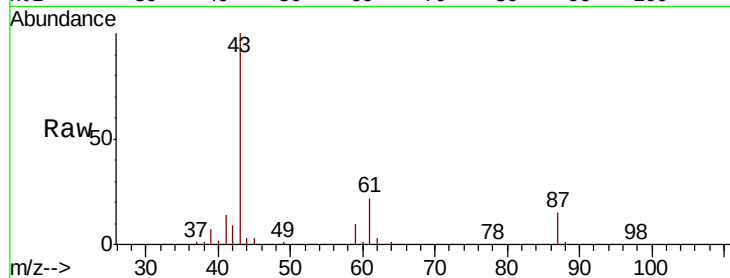
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 275845

Ion	Ratio	Lower	Upper
43	100		
61	22.1	22.2	33.4#
87	14.3	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17

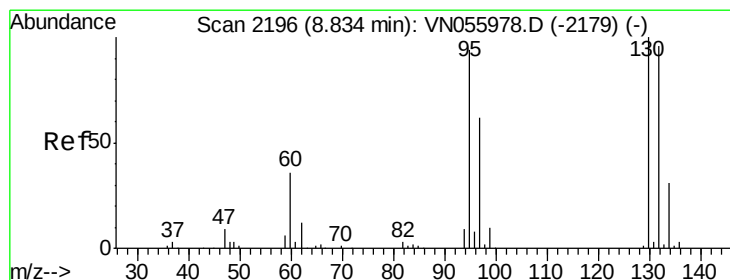
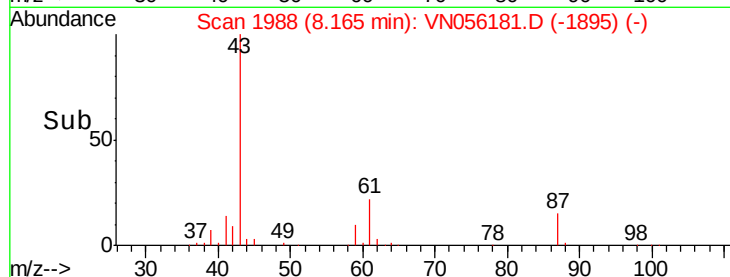
150000

100000

50000

0

8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 50.407 ug/l

RT: 8.83 min Scan# 2196

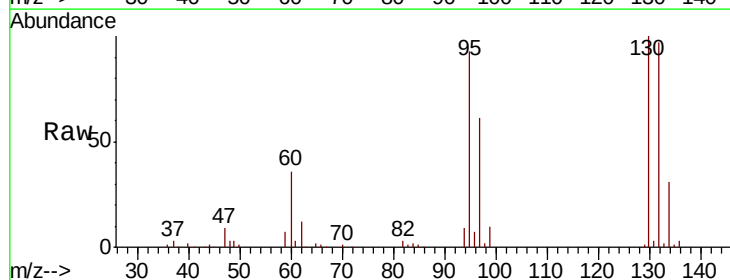
Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Tgt Ion: 130 Resp: 154911

Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83

80000

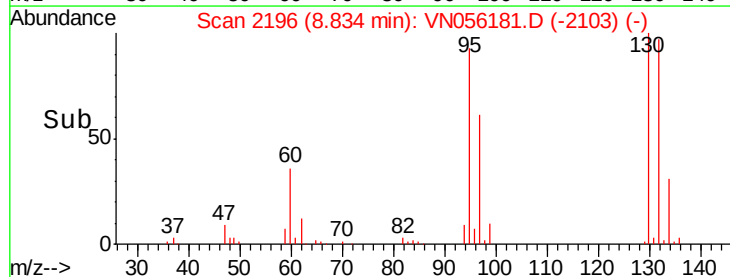
60000

40000

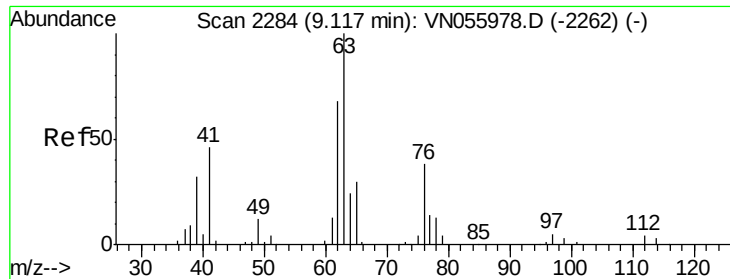
20000

0

8.80 8.90



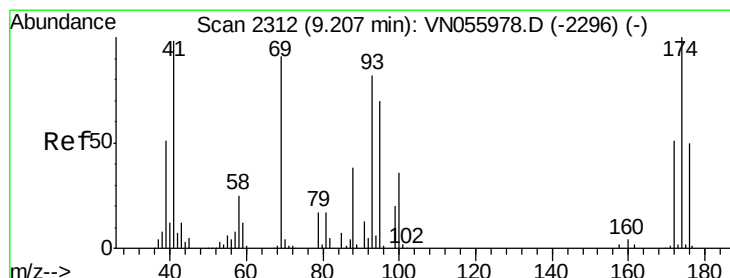
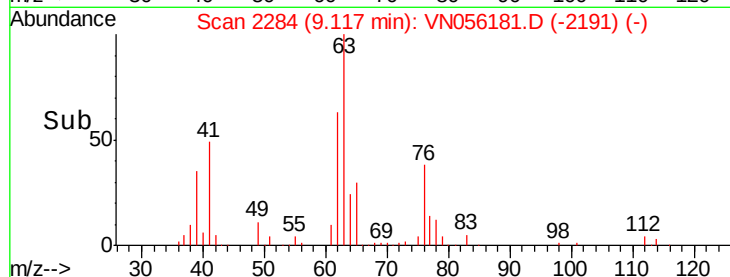
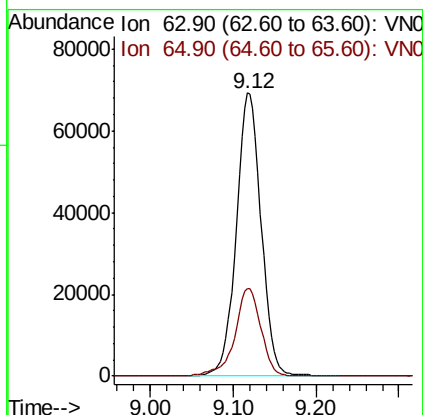
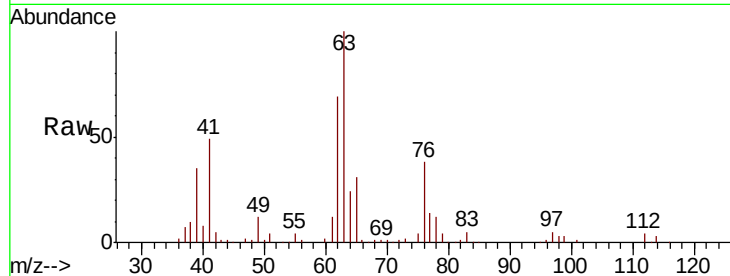
Time-->



#45
 1,2-Dichloropropane
 Concen: 52.863 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

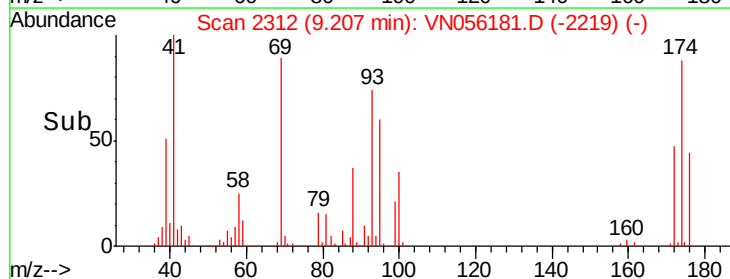
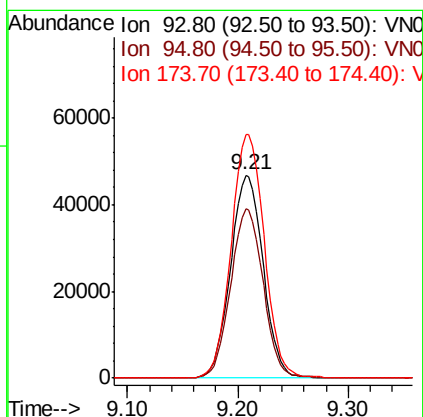
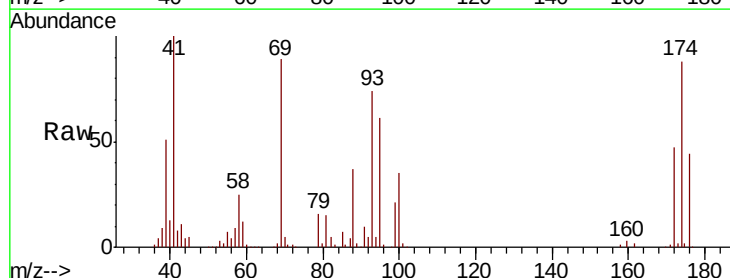
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

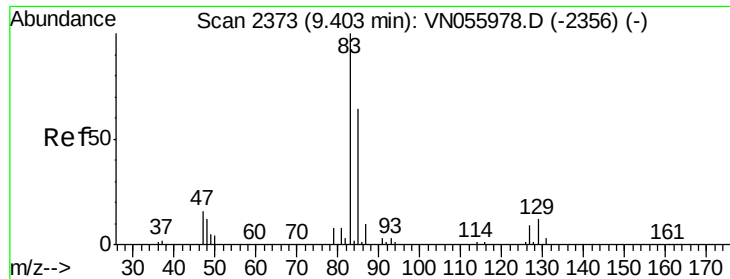
Tot Ion: 63 Resp: 144814
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8



#46
 Dibromomethane
 Concen: 53.737 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Tgt Ion: 93 Resp: 96264
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 121.5 96.4 144.6

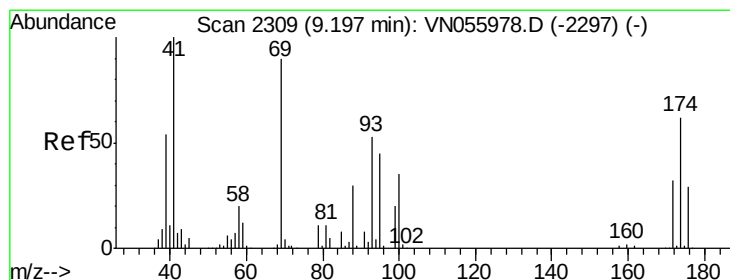
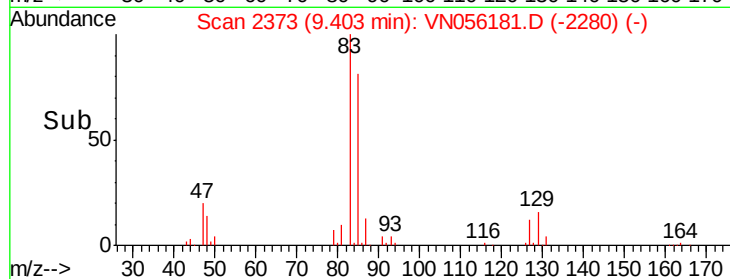
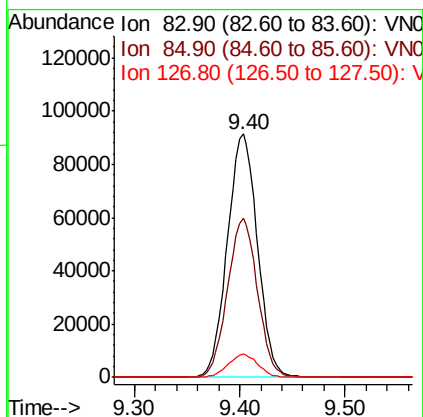
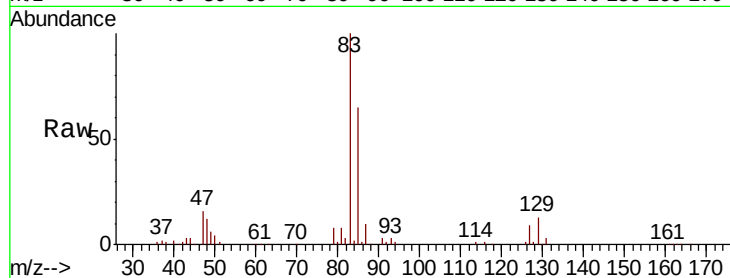




#47
Bromodichloromethane
Concen: 55.585 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

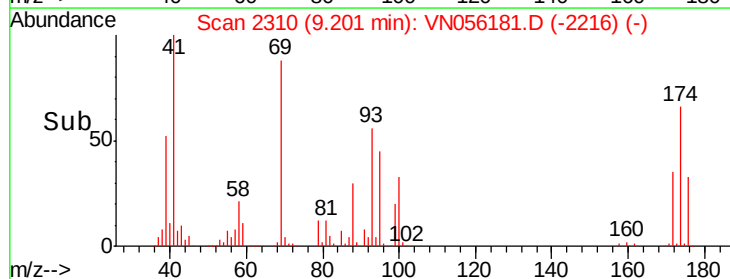
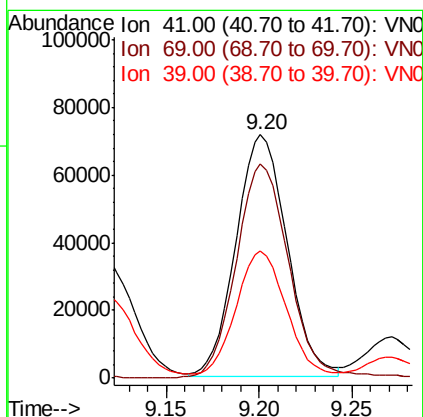
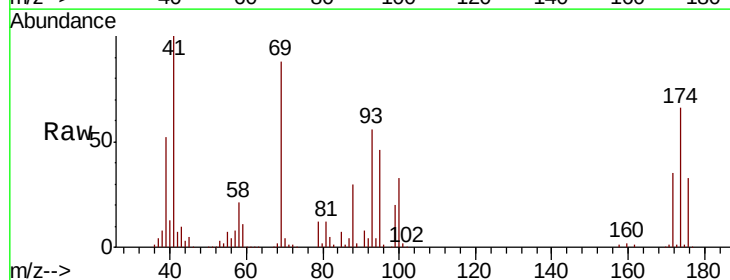
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

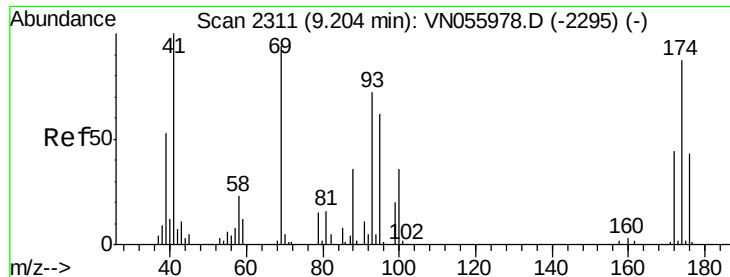
Tot Ion: 83 Resp: 180469
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2
127 9.4 7.4 11.0



#48
Methyl methacrylate
Concen: 55.379 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 41 Resp: 137553
Ion Ratio Lower Upper
41 100
69 92.1 71.0 106.6
39 52.1 44.2 66.2





#49

1,4-Dioxane

Concen: 1085.942 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

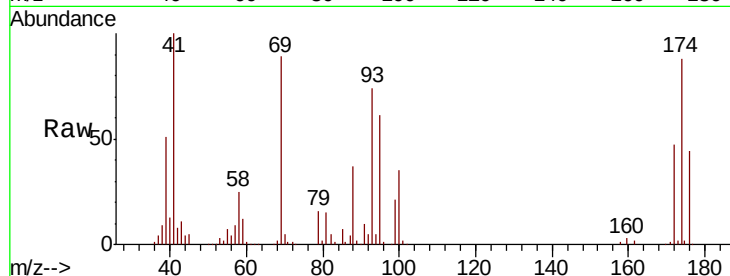
Tot Ion: 88 Resp: 58232

Ion Ratio Lower Upper

88 100

43 25.8 20.5 30.7

58 65.6 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)

150000

100000

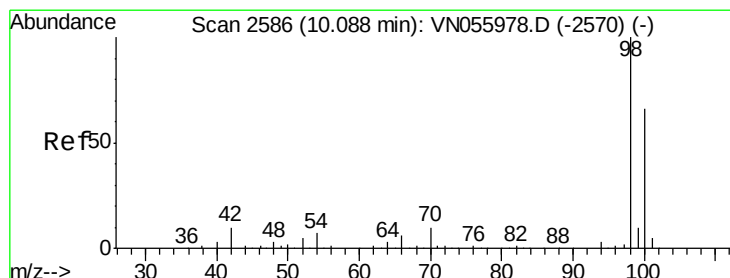
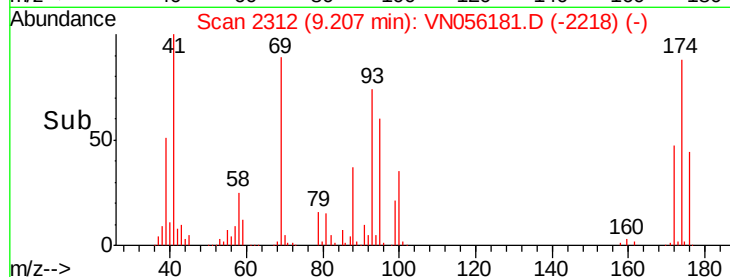
50000

0

9.21

9.10 9.15 9.20 9.25 9.30

Time-->



#50

Toluene-d8

Concen: 49.223 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056181.D

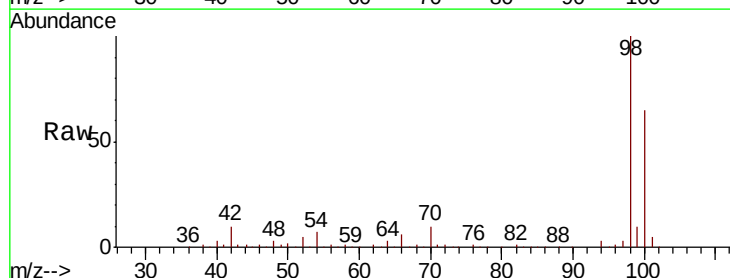
Acq: 10 Jun 2019 19:59

Tgt Ion: 98 Resp: 475898

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

300000

250000

200000

150000

100000

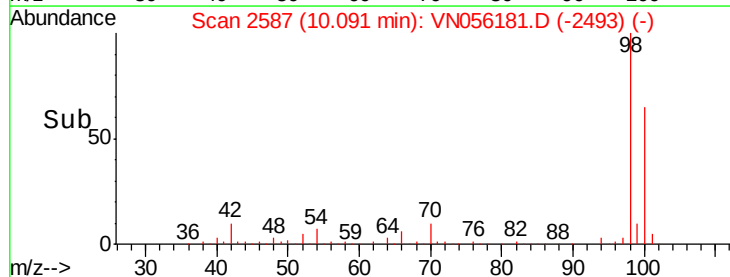
50000

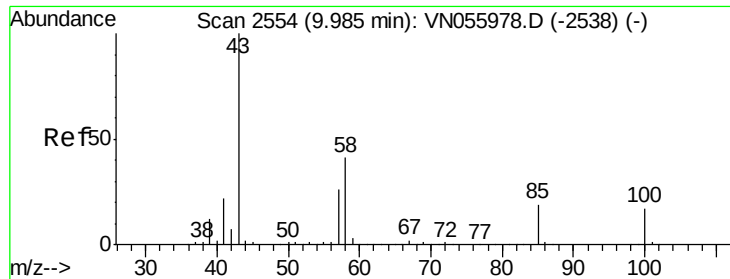
0

10.09

10.00 10.10 10.20 10.30

Time-->





#51

4-Methyl-2-Pentanone

Concen: 282.864 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

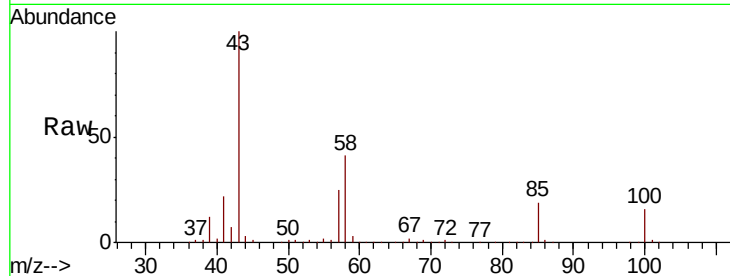
VSTDCCC050EC

Tot Ion: 43 Resp: 898080

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

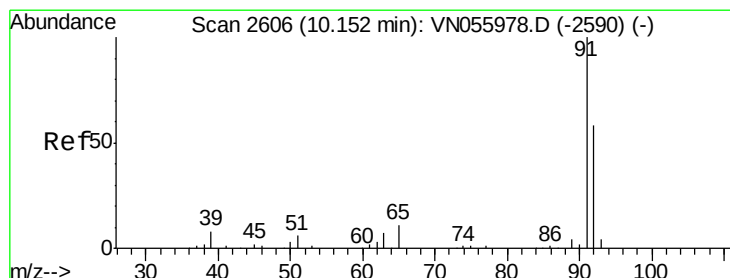
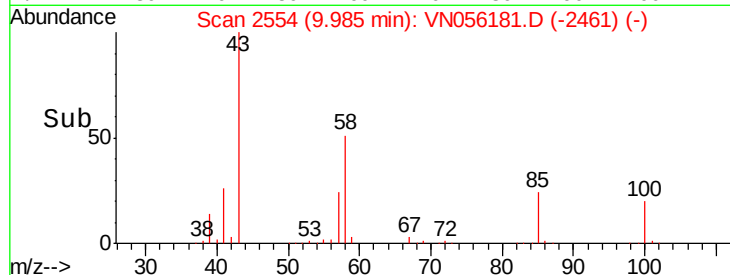
300000

200000

100000

0

Time--> 9.80 9.90 10.00 10.10



#52

Toluene

Concen: 51.488 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056181.D

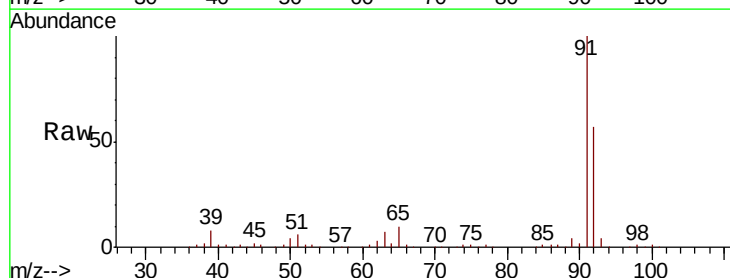
Acq: 10 Jun 2019 19:59

Tgt Ion: 92 Resp: 342654

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

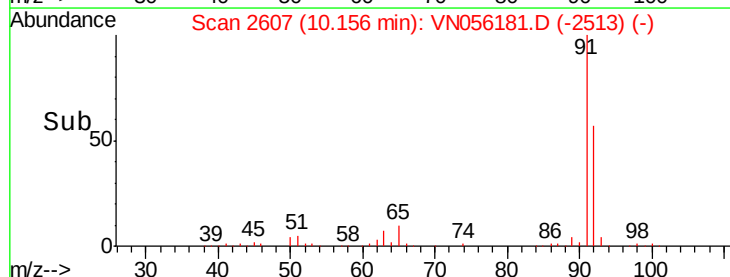
300000

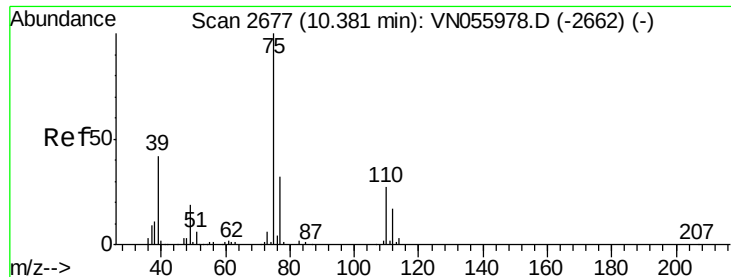
200000

100000

0

Time--> 10.00 10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 47.302 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

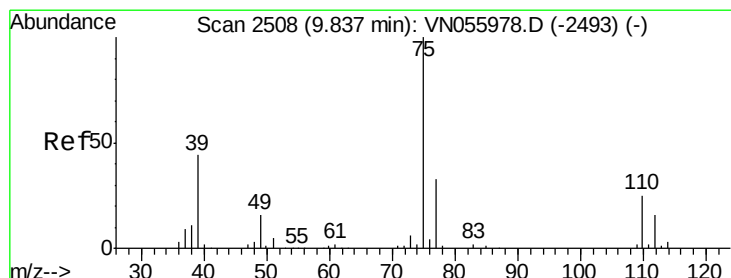
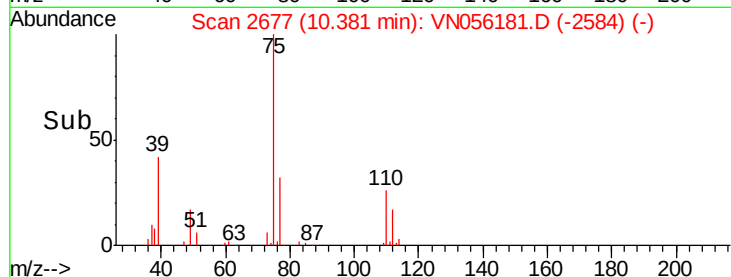
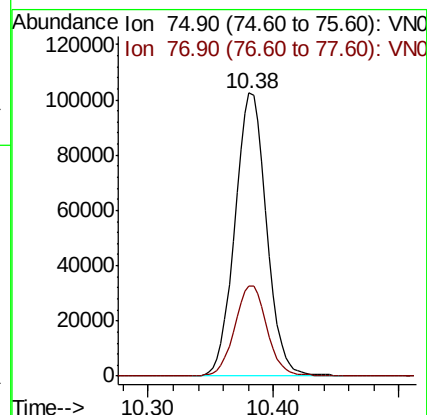
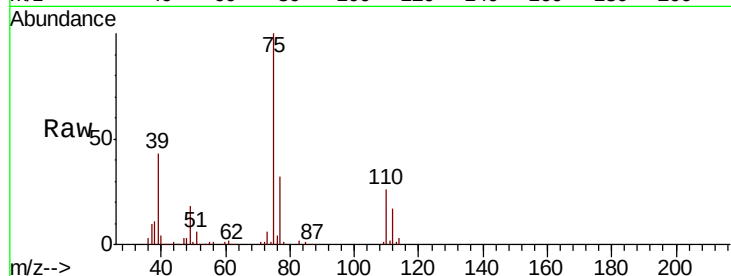
VSTDCCC050EC

Tot Ion: 75 Resp: 179538

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 54.090 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

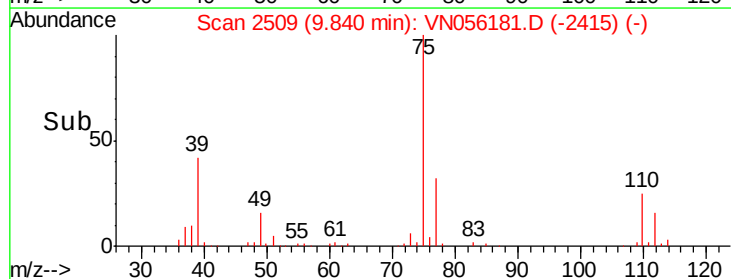
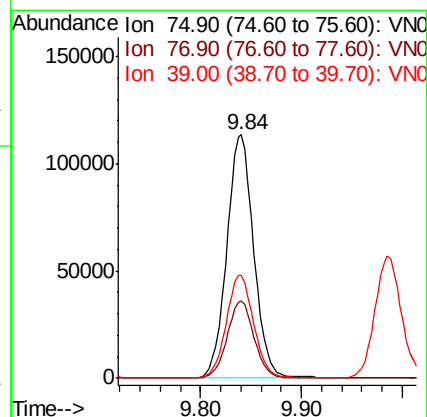
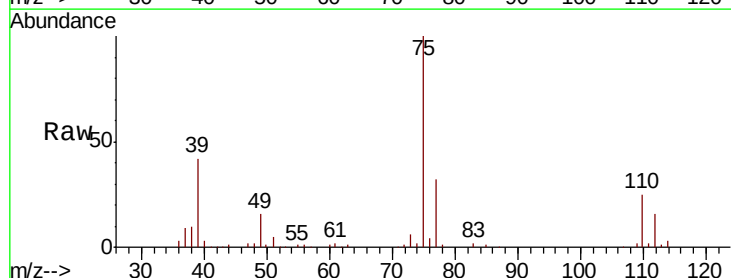
Tgt Ion: 75 Resp: 211093

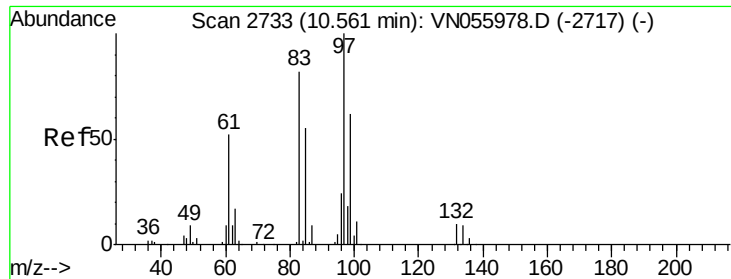
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 42.2 36.3 54.5

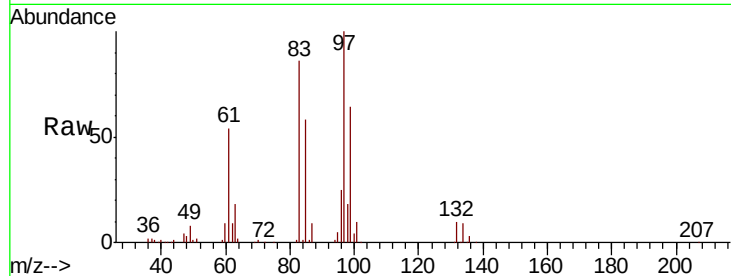




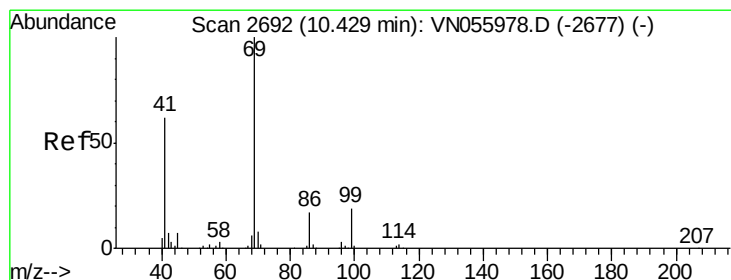
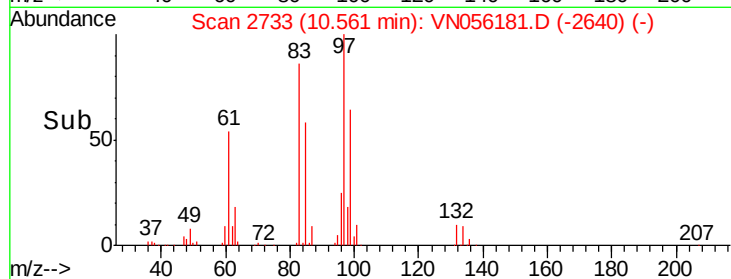
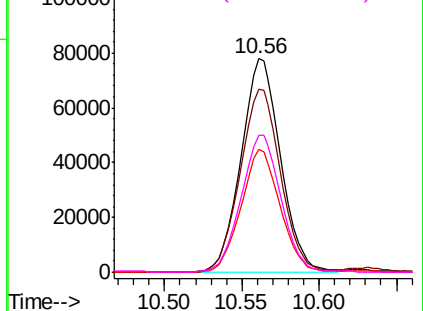
#55
 1,1,2-Trichloroethane
 Concen: 52.459 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	138290
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.0	100.6
85	57.8	44.0	66.0
99	64.4	50.6	75.8

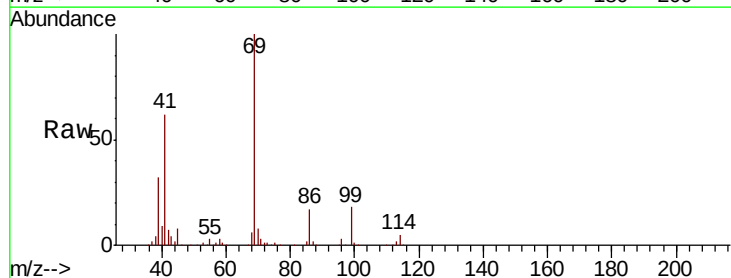


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

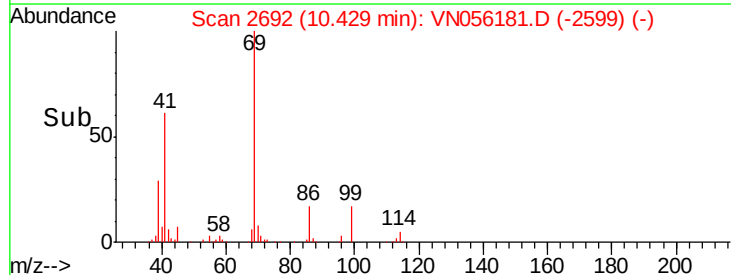
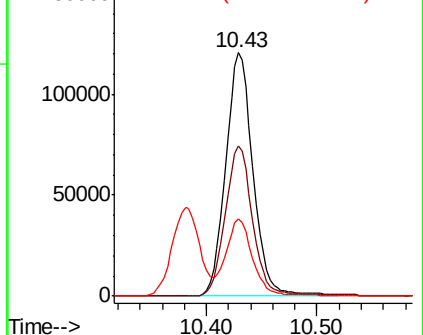


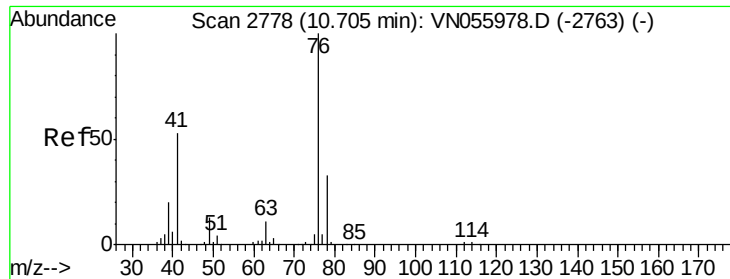
#56
 Ethyl methacrylate
 Concen: 53.992 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Tgt Ion:	69	Resp:	207649
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.7	74.5
39	30.4	24.7	37.1



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 53.577 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

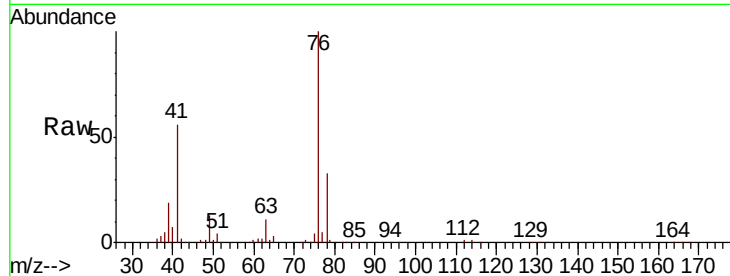
VSTDCCC050EC

Tot Ion: 76 Resp: 229604

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN055978.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN055978.D (-2763) (-)

10.71

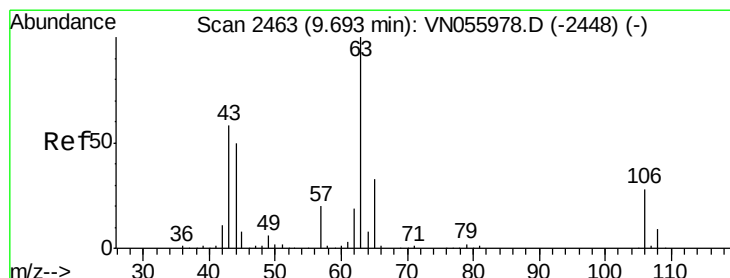
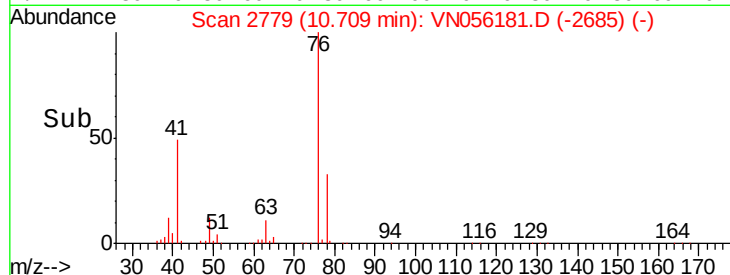
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.316 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056181.D

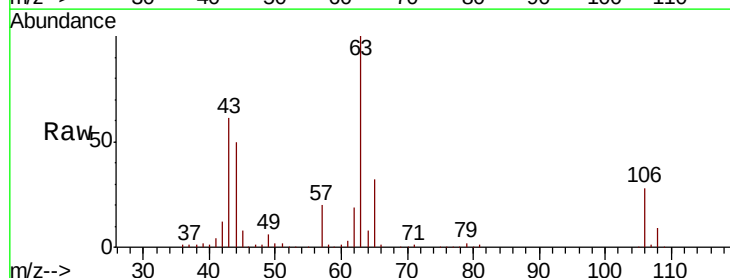
Acq: 10 Jun 2019 19:59

Tgt Ion: 63 Resp: 365509

Ion Ratio Lower Upper

63 100

106 27.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055978.D (-2448) (-)

9.70

200000

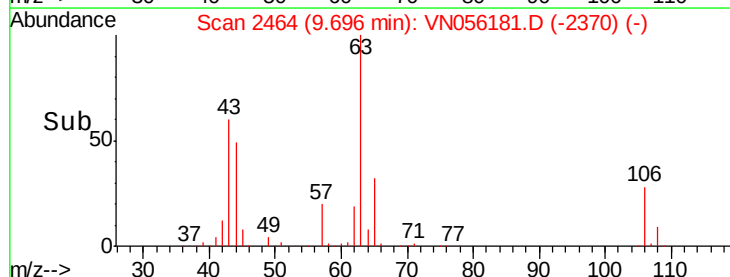
150000

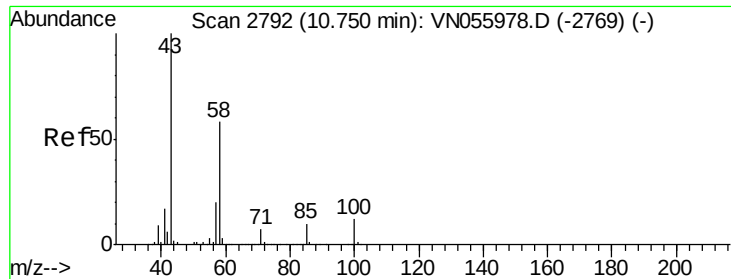
100000

50000

0

Time-->

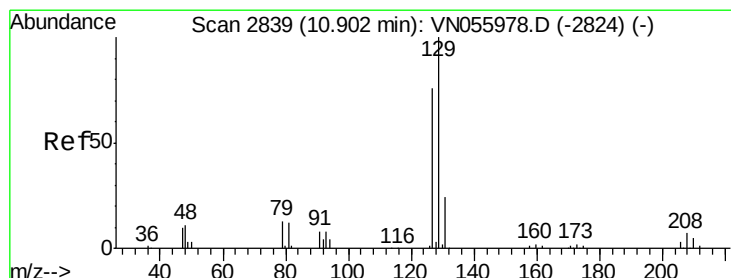
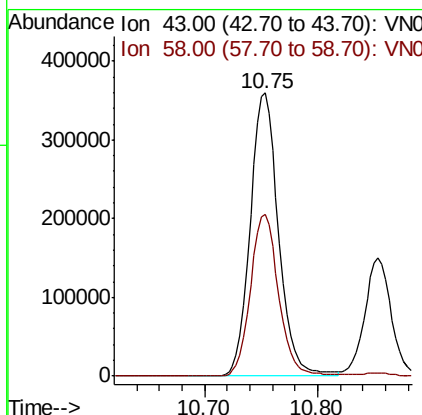
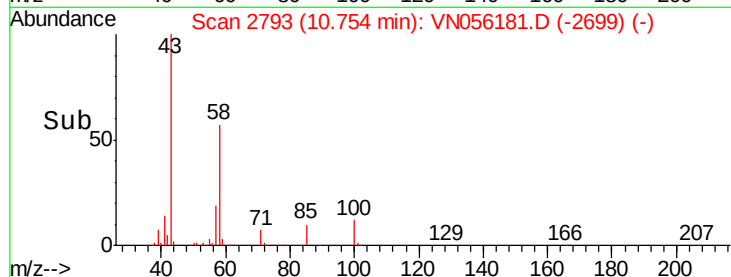
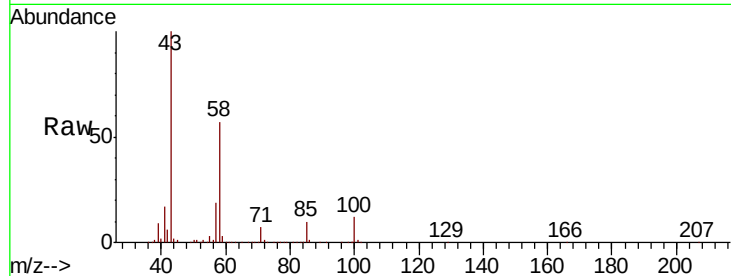




#59
2-Hexanone
Concen: 271.917 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

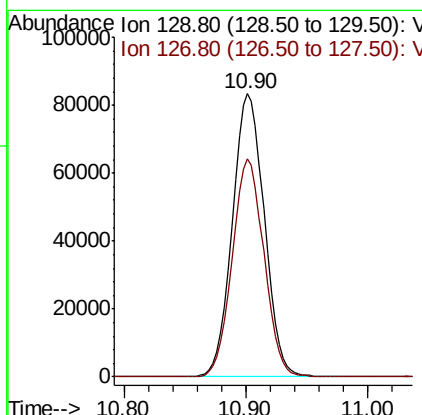
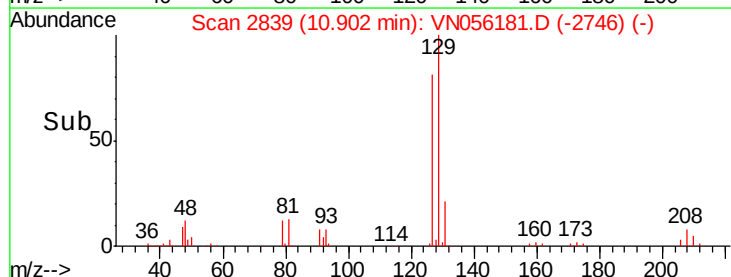
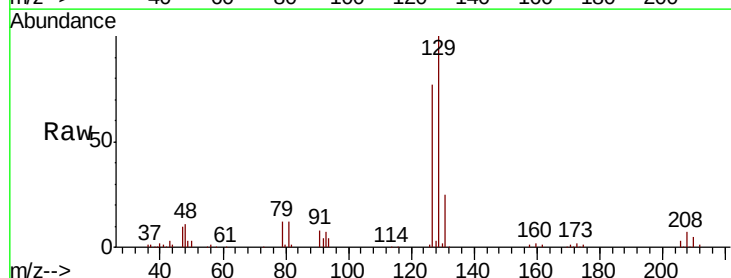
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

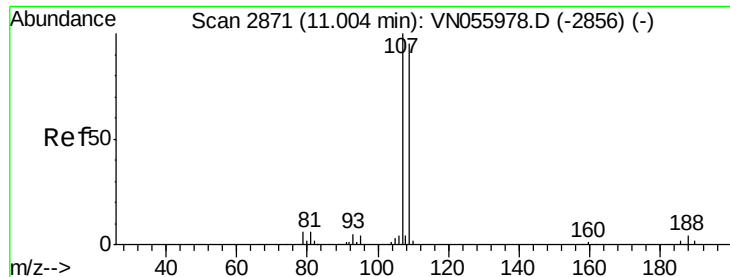
Tot Ion: 43 Resp: 625718
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7



#60
Dibromochloromethane
Concen: 52.051 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion: 129 Resp: 151644
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 54.705 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

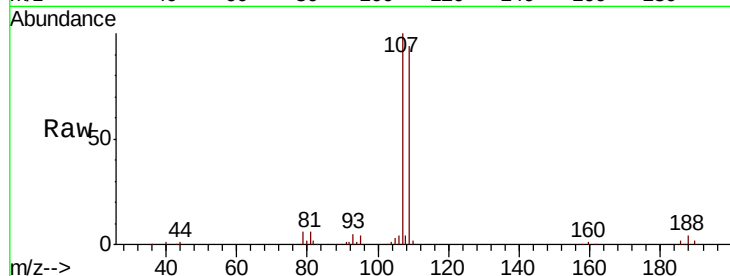
VSTDCCC050EC

Tot Ion:107 Resp: 147429

Ion Ratio Lower Upper

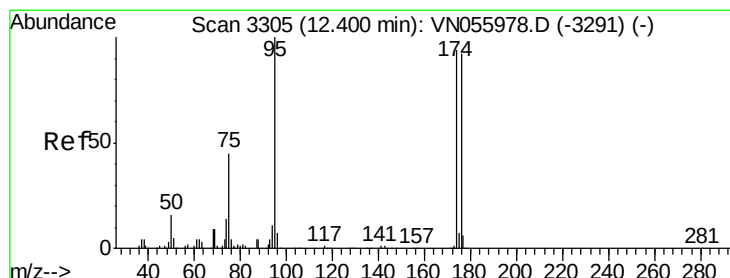
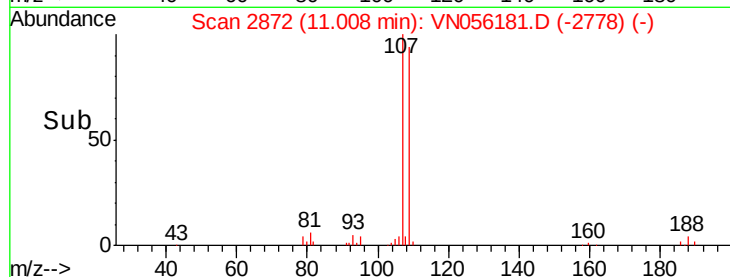
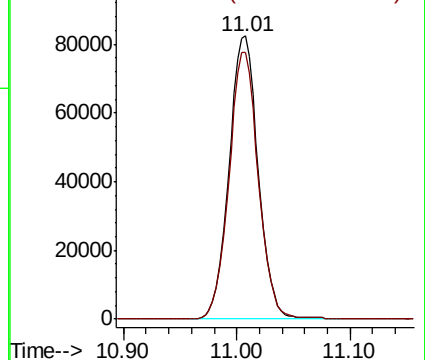
107 100

109 95.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.469 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

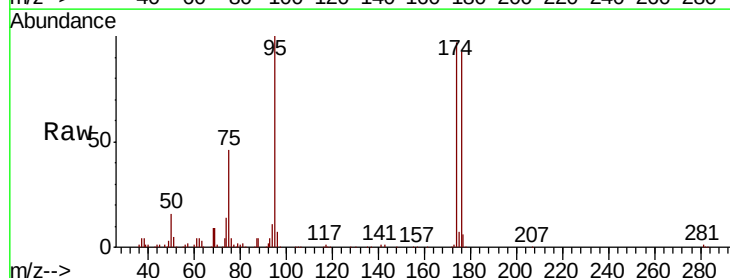
Tgt Ion: 95 Resp: 162650

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

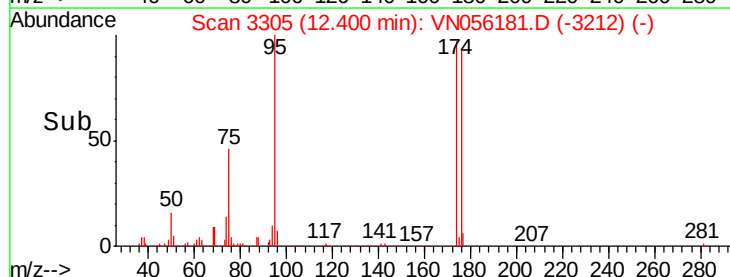
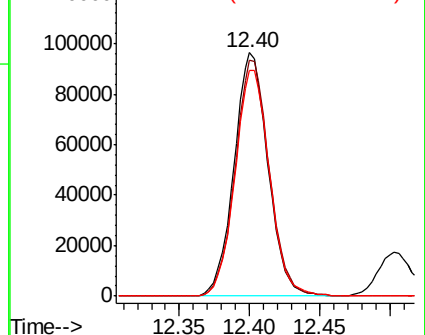
176 94.3 0.0 185.2

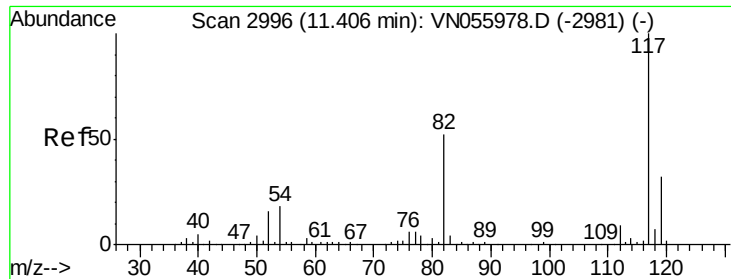


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

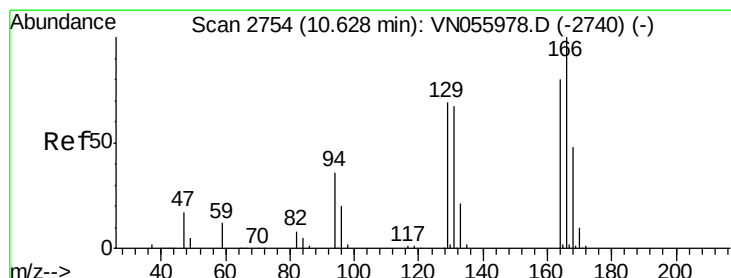
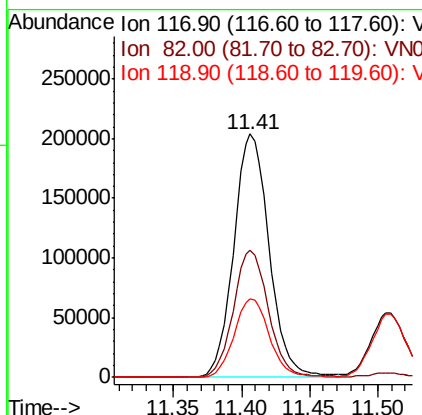
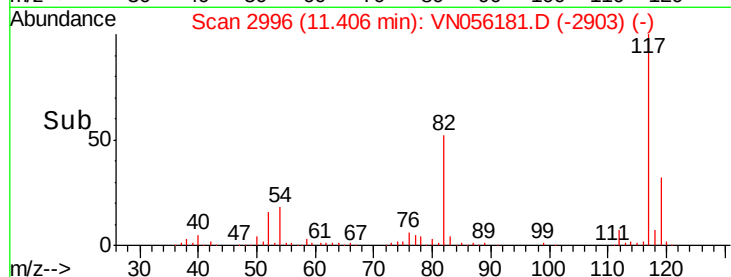
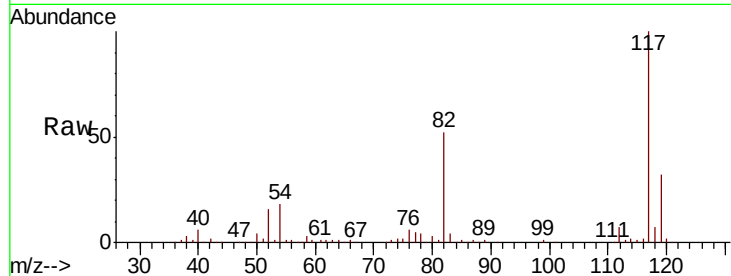




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

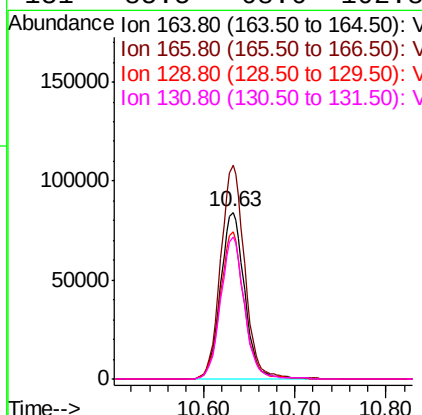
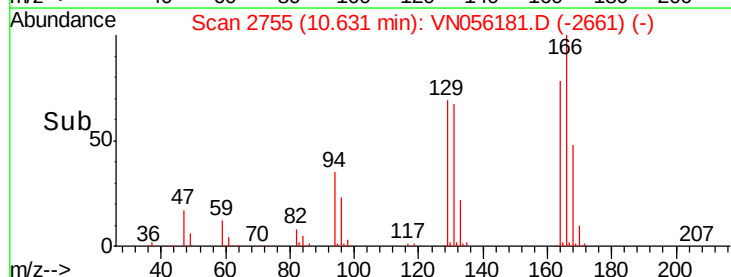
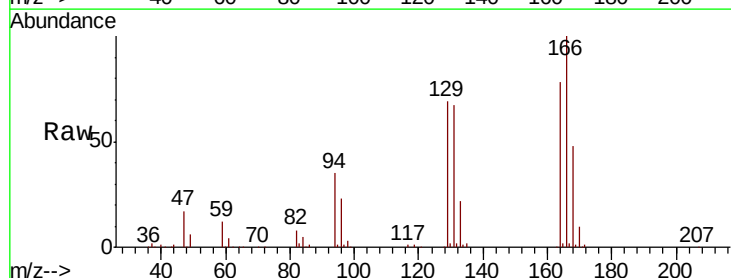
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

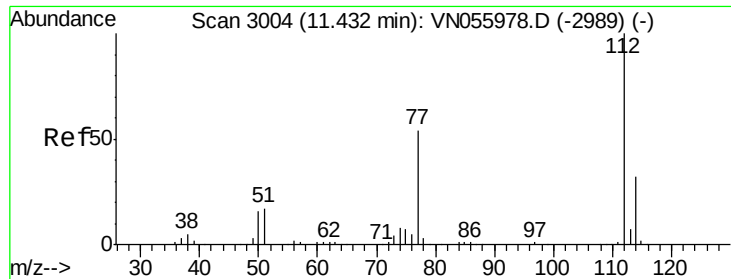
Tot Ion:117 Resp: 368025
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 48.633 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion:164 Resp: 154928
Ion Ratio Lower Upper
164 100
166 128.3 103.0 154.6
129 88.1 70.6 105.8
131 85.5 68.6 102.8

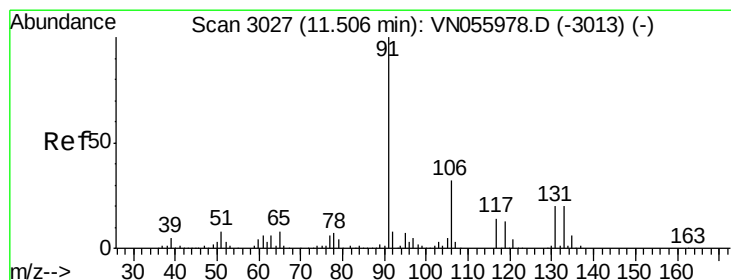
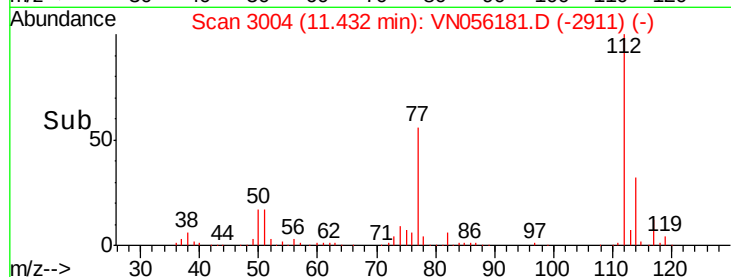
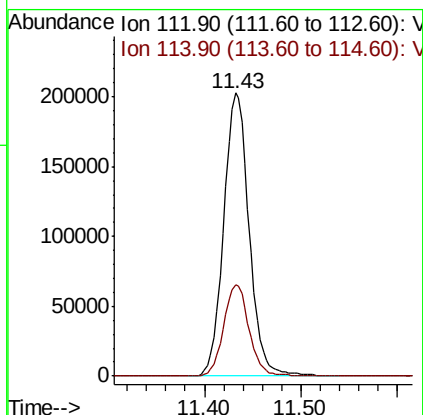
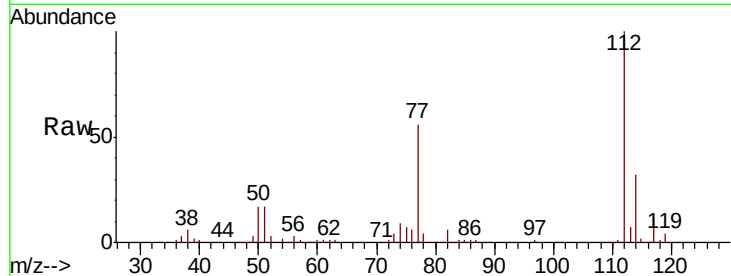




#65
Chlorobenzene
Concen: 50.473 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

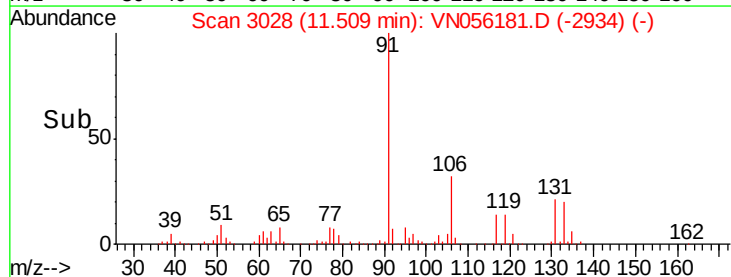
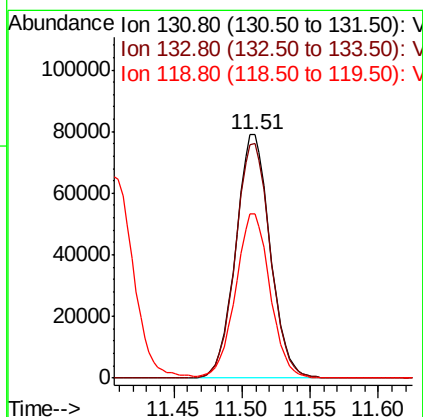
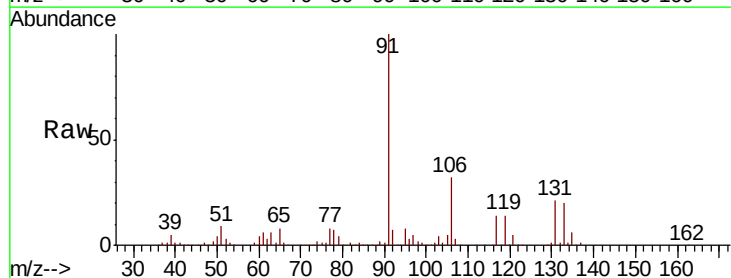
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

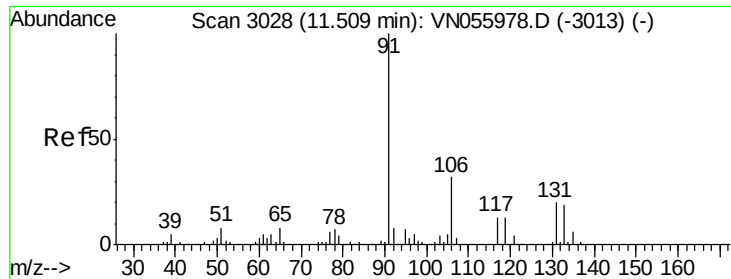
Tot Ion:112 Resp: 369689
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.683 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion:131 Resp: 138296
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.0
119 67.7 33.1 99.5





#67

Ethyl Benzene

Concen: 50.315 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

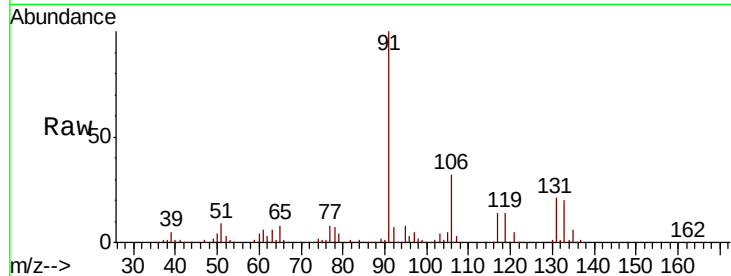
VSTDCCC050EC

Tot Ion: 91 Resp: 640810

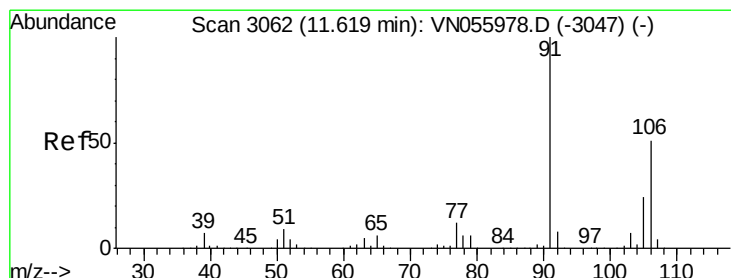
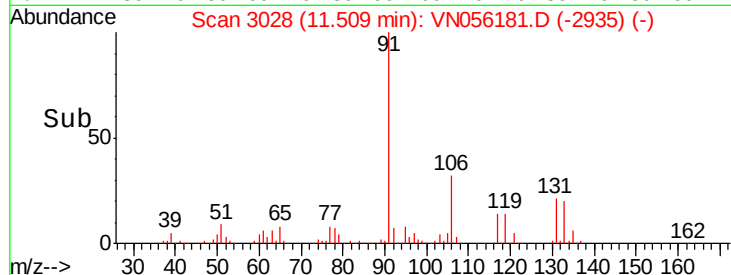
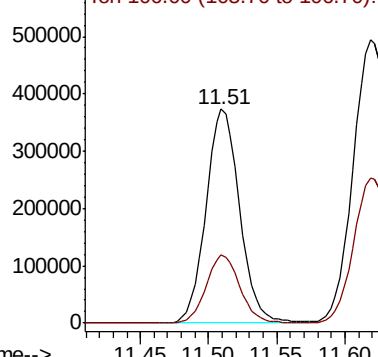
Ion Ratio Lower Upper

91 100

106 31.7 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3013) (-)



#68

m/p-Xylenes

Concen: 101.146 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056181.D

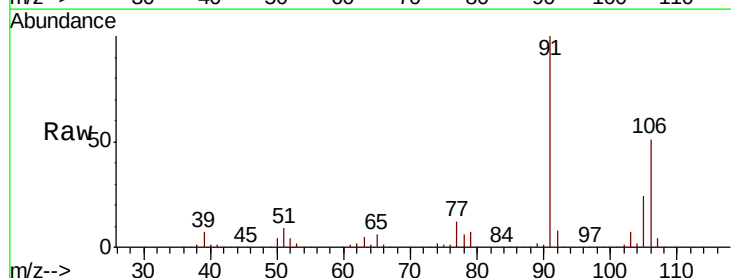
Acq: 10 Jun 2019 19:59

Tgt Ion: 106 Resp: 492106

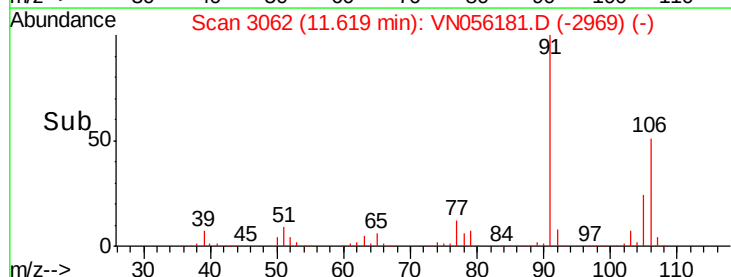
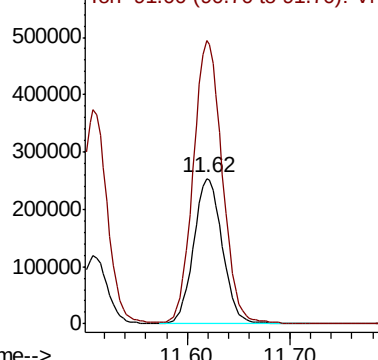
Ion Ratio Lower Upper

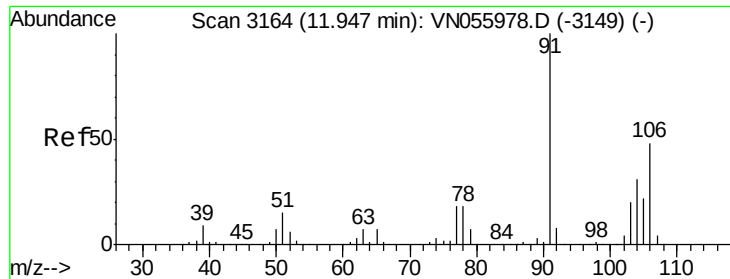
106 100

91 197.0 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): VN055978.D (-3047) (-)

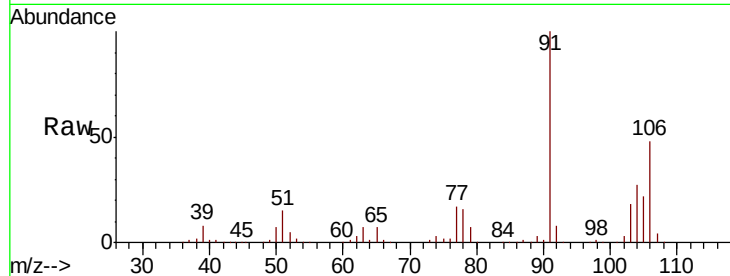




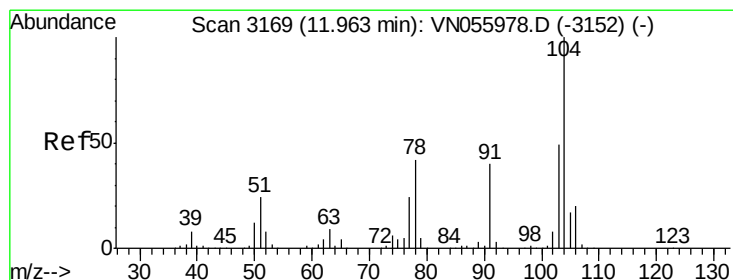
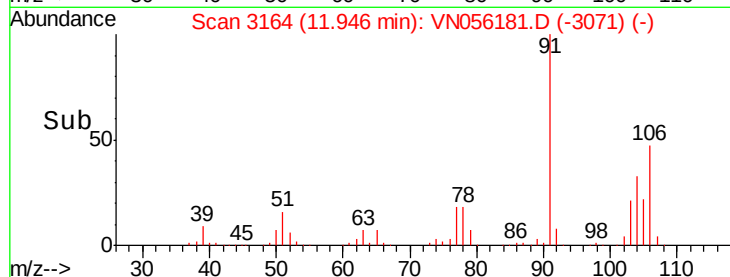
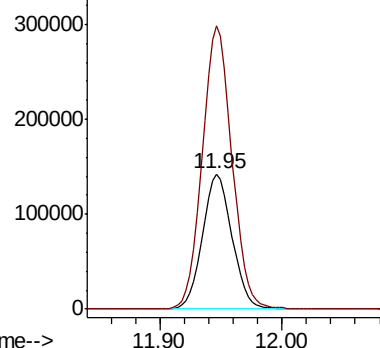
#69
o-Xylene
Concen: 50.230 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 240390
Ion Ratio Lower Upper
106 100
91 210.1 104.7 314.1

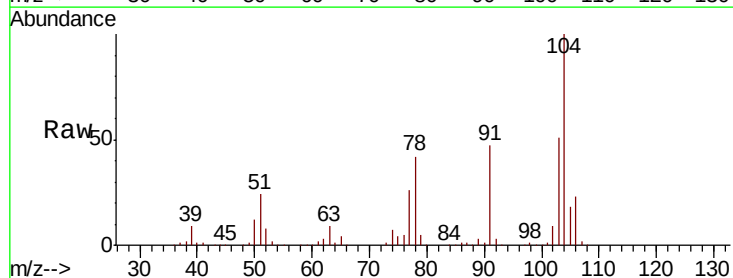


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

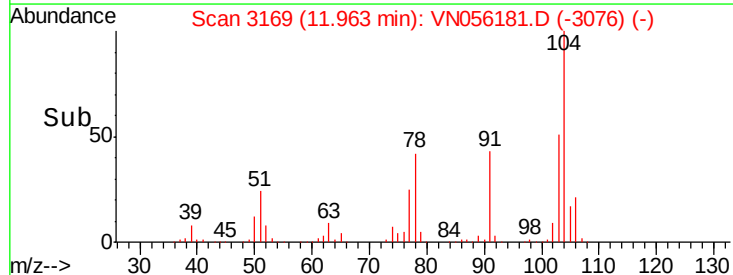
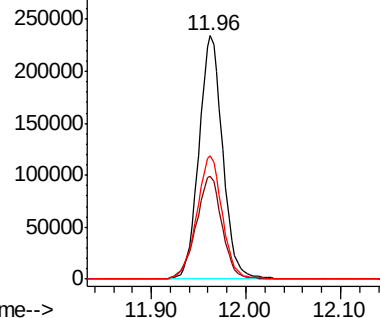


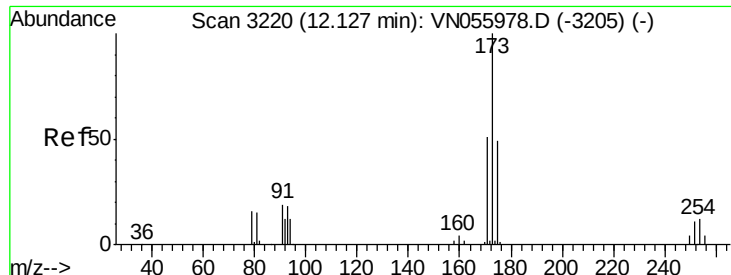
#70
Styrene
Concen: 53.521 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion:104 Resp: 406973
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 54.6 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

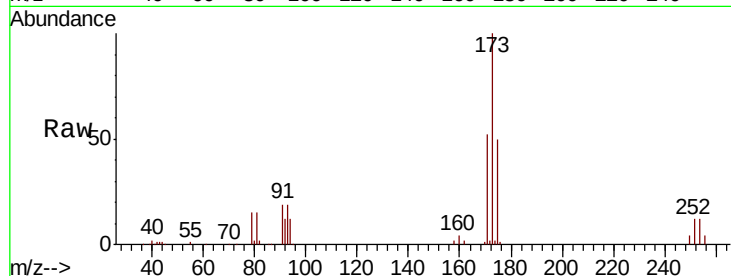




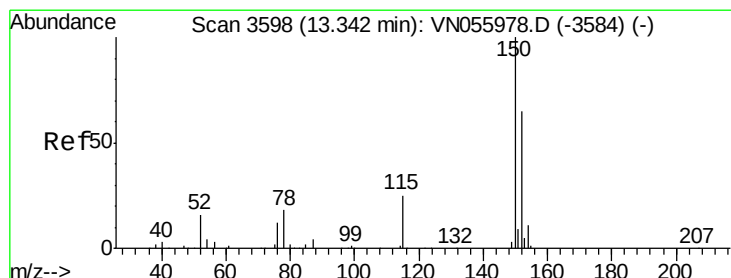
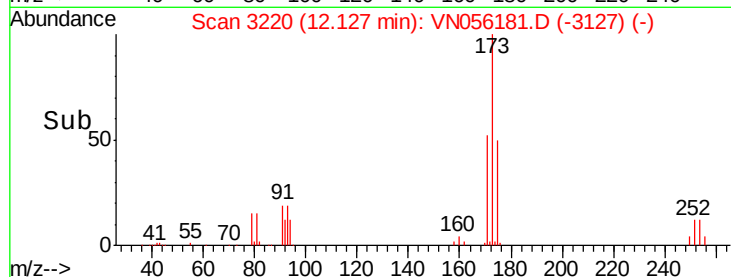
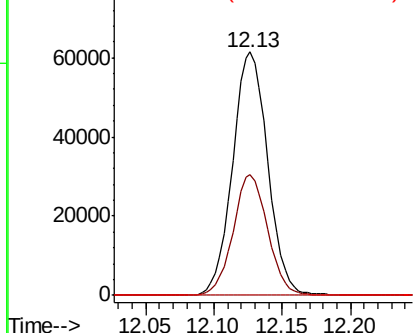
#71
Bromoform
Concen: 51.621 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 109805
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0

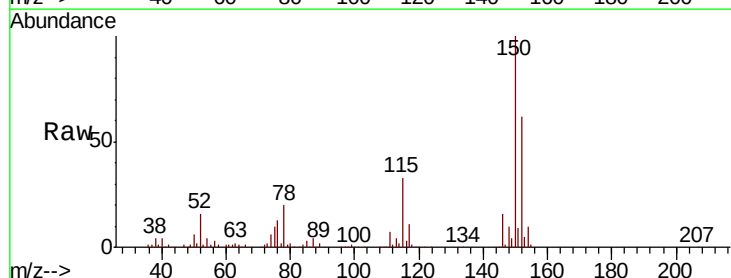


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

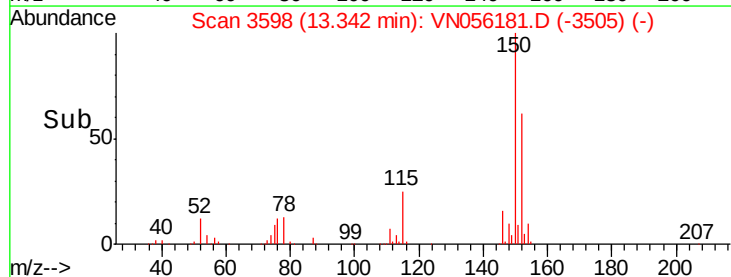
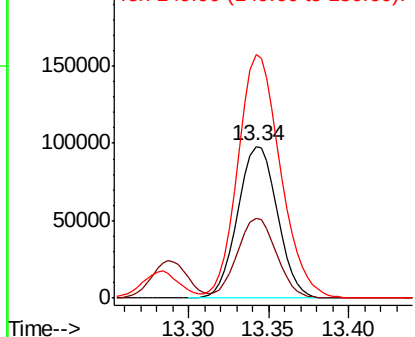


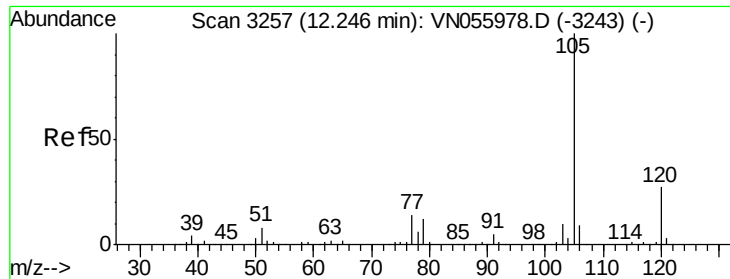
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion:152 Resp: 165908
Ion Ratio Lower Upper
152 100
115 52.0 27.0 81.0
150 172.4 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.439 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

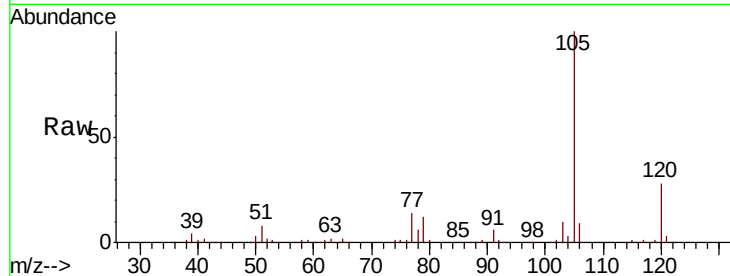
VSTDCCC050EC

Tot Ion:105 Resp: 629996

Ion Ratio Lower Upper

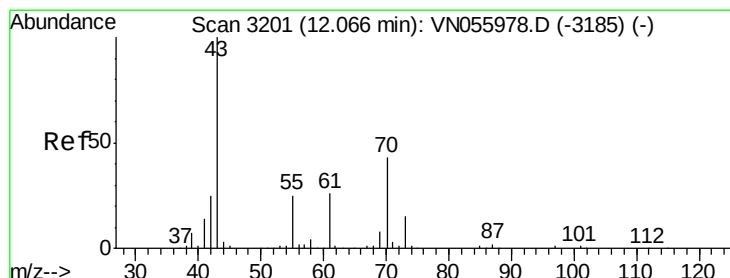
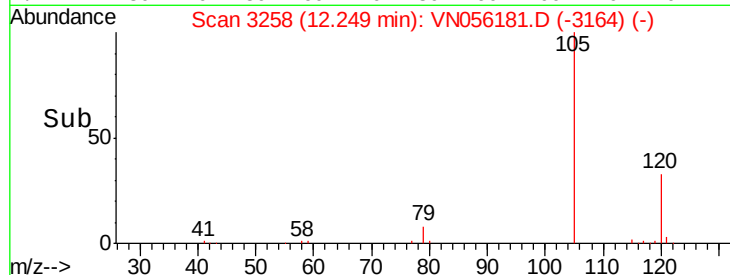
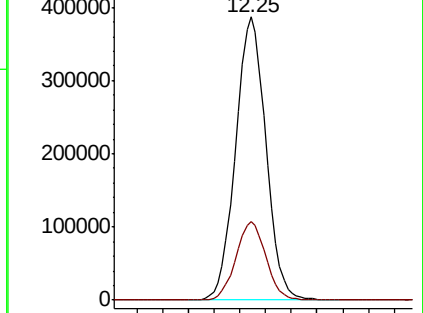
105 100

120 27.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.195 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Tgt Ion: 43 Resp: 226413

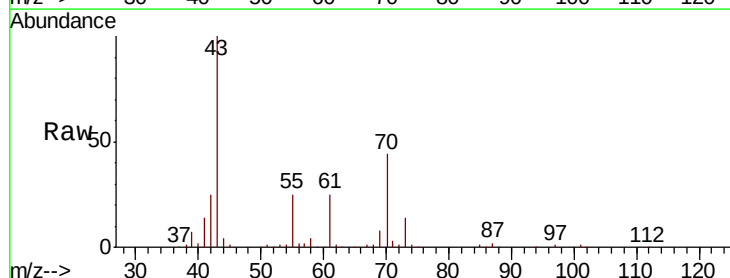
Ion Ratio Lower Upper

43 100

70 43.5 34.0 51.0

55 25.6 18.6 28.0

61 24.9 20.0 30.0

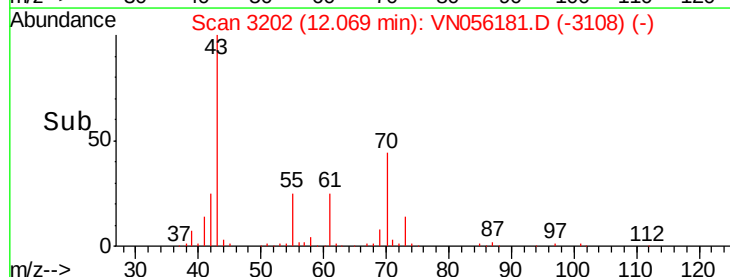
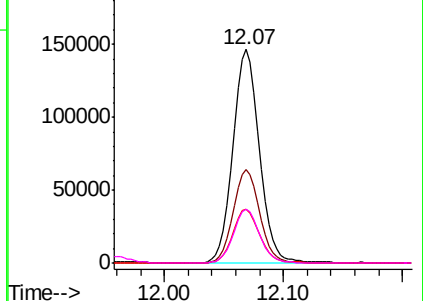


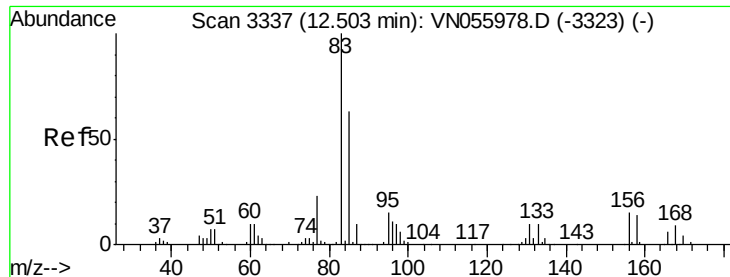
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.191 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

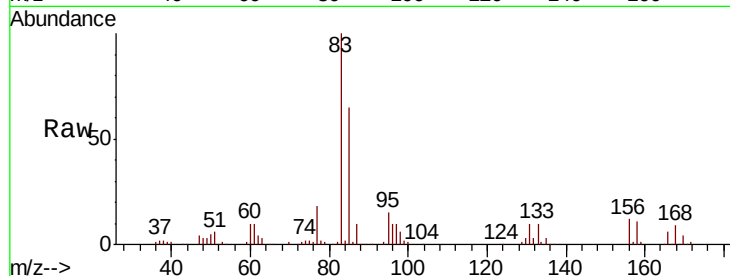
Tot Ion: 83 Resp: 197159

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

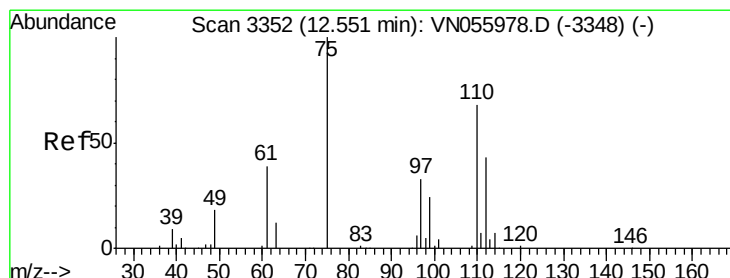
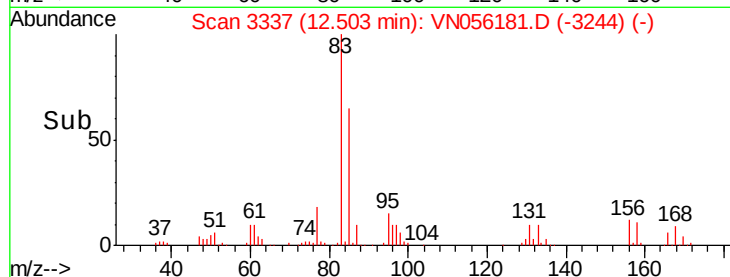
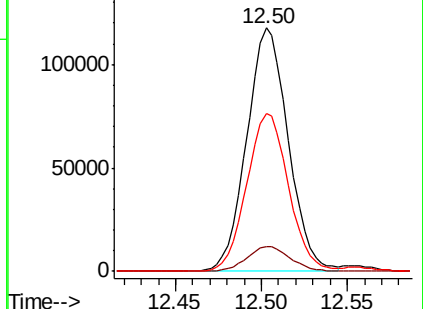
85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 74.574 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056181.D

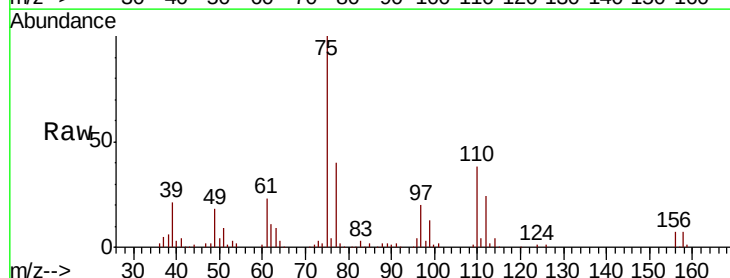
Acq: 10 Jun 2019 19:59

Tgt Ion: 75 Resp: 227659

Ion Ratio Lower Upper

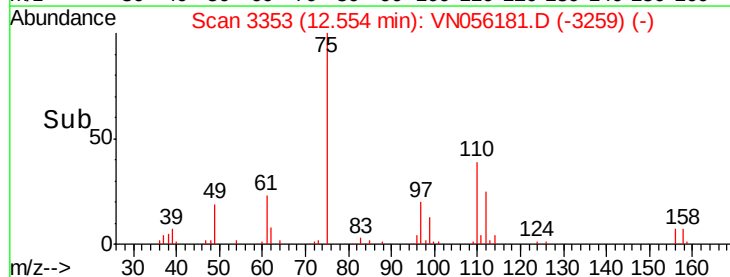
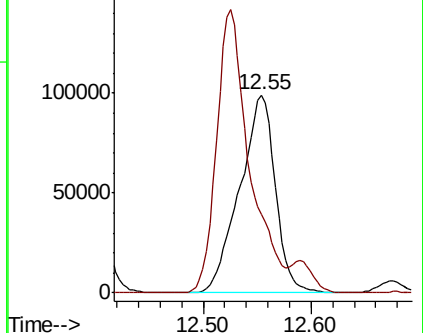
75 100

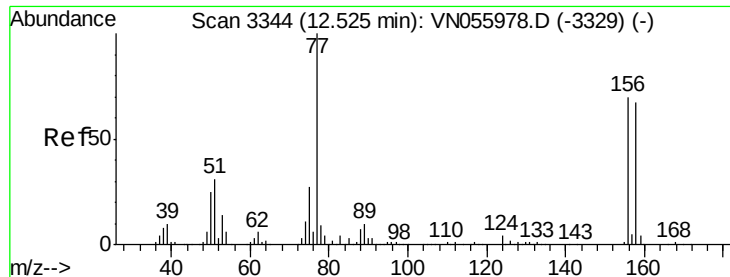
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)





#77

Bromobenzene

Concen: 48.778 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

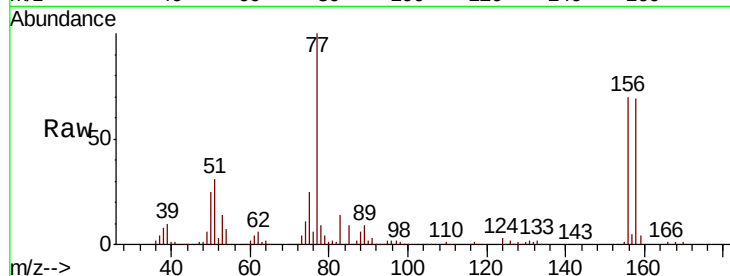
Tot Ion:156 Resp: 173263

Ion Ratio Lower Upper

156 100

77 173.3 90.8 272.5

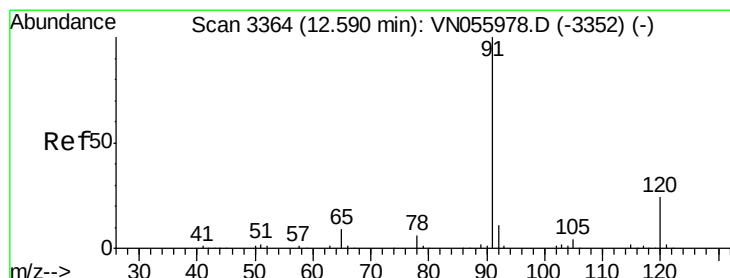
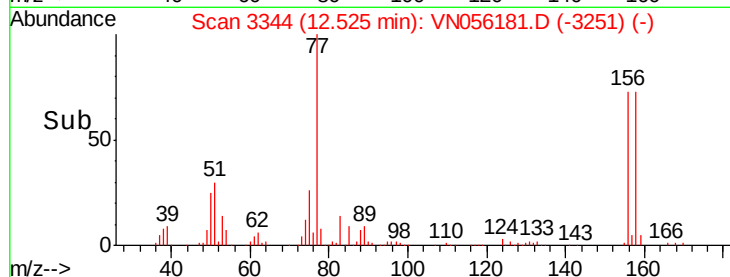
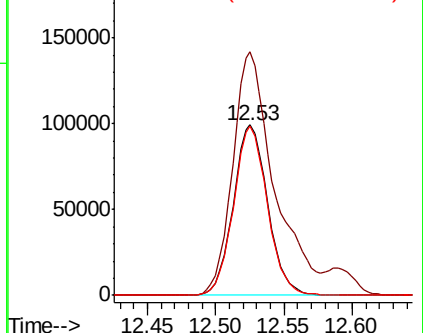
158 97.7 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.126 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056181.D

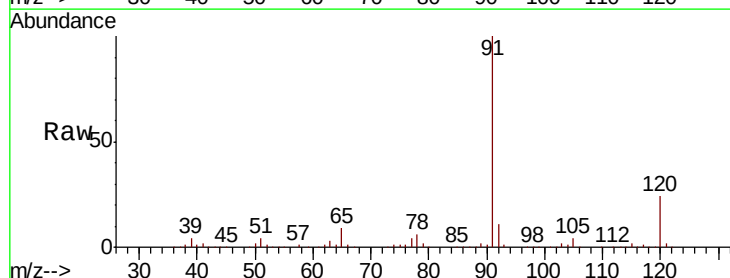
Acq: 10 Jun 2019 19:59

Tgt Ion: 91 Resp: 675489

Ion Ratio Lower Upper

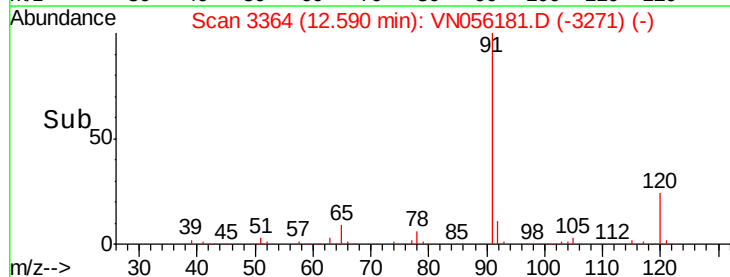
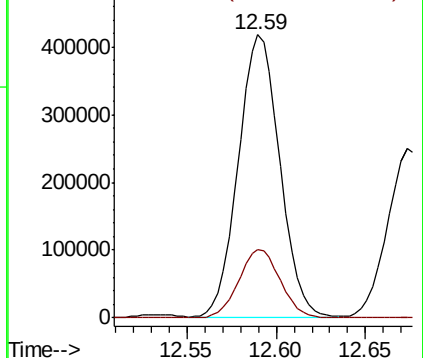
91 100

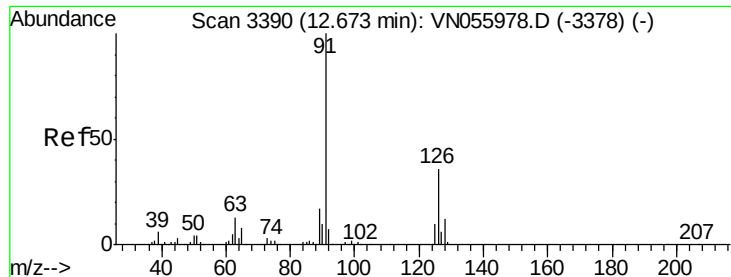
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.237 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

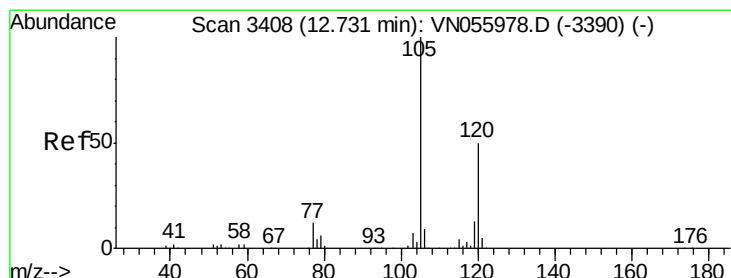
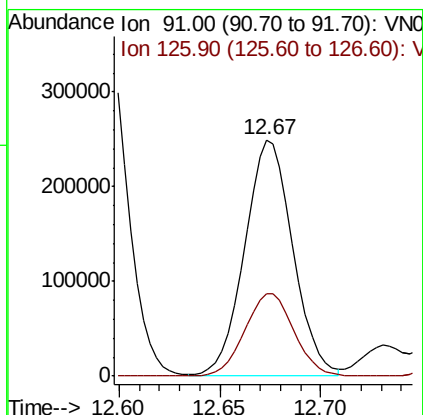
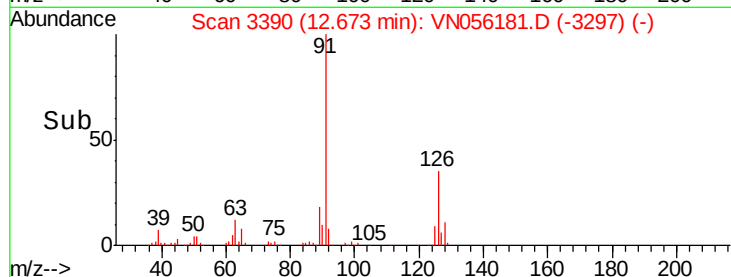
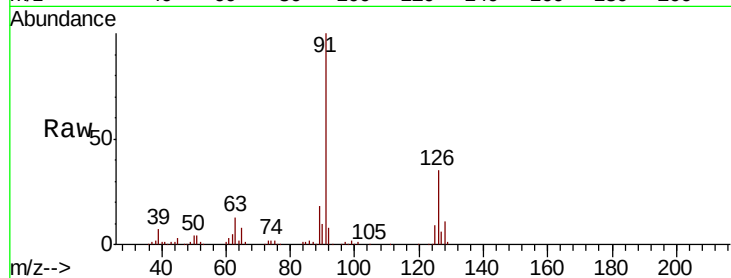
VSTDCCC050EC

Tot Ion: 91 Resp: 413291

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 46.557 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056181.D

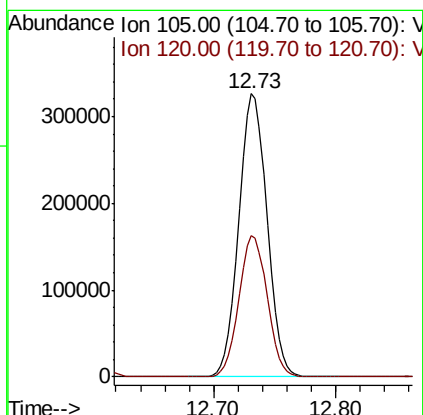
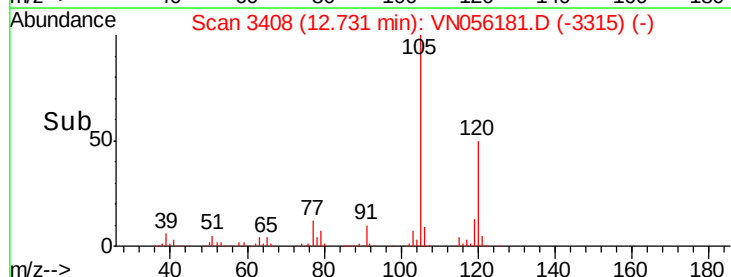
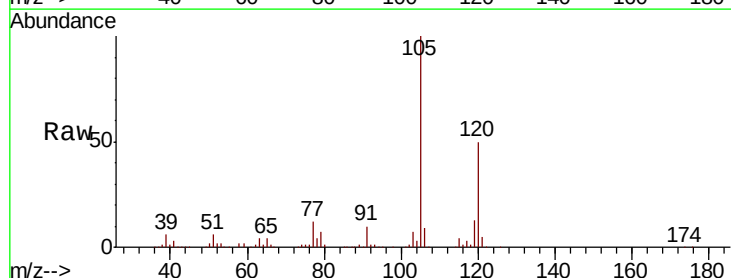
Acq: 10 Jun 2019 19:59

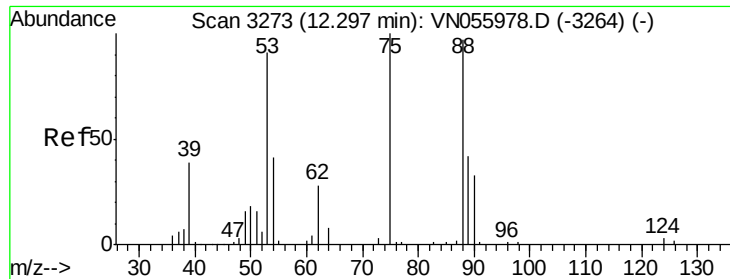
Tgt Ion: 105 Resp: 519345

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.594 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

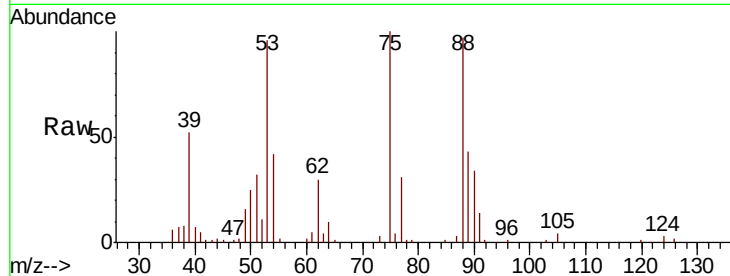
Tot Ion: 75 Resp: 47296

Ion Ratio Lower Upper

75 100

53 98.8 68.1 102.1

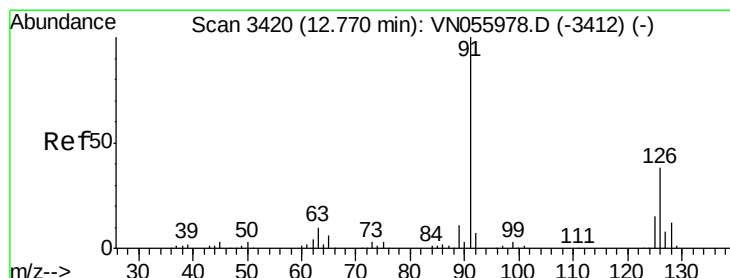
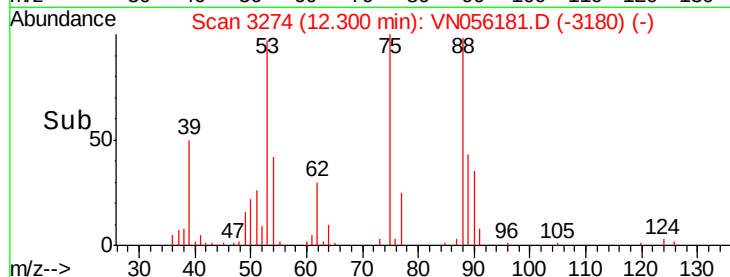
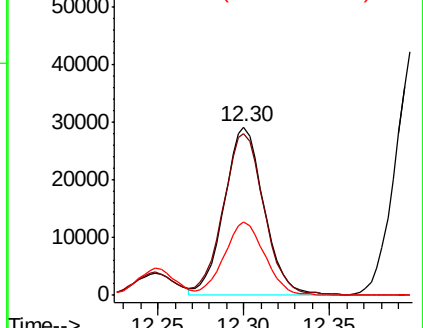
89 44.2 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.740 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056181.D

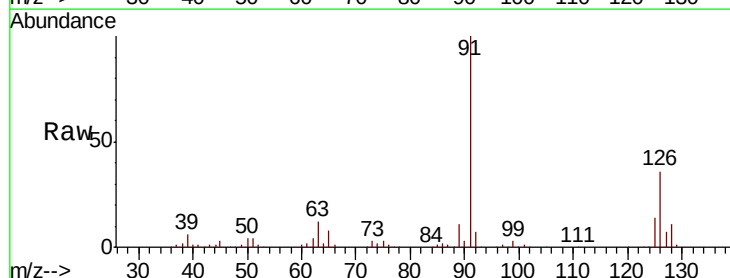
Acq: 10 Jun 2019 19:59

Tgt Ion: 91 Resp: 400231

Ion Ratio Lower Upper

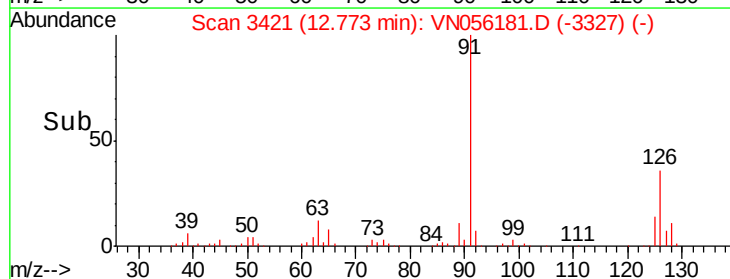
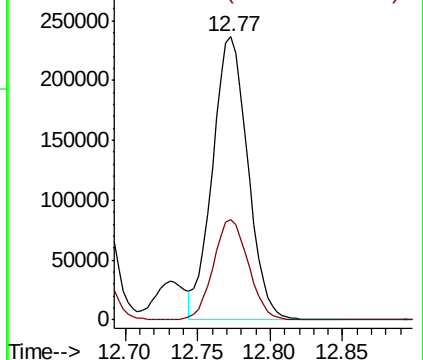
91 100

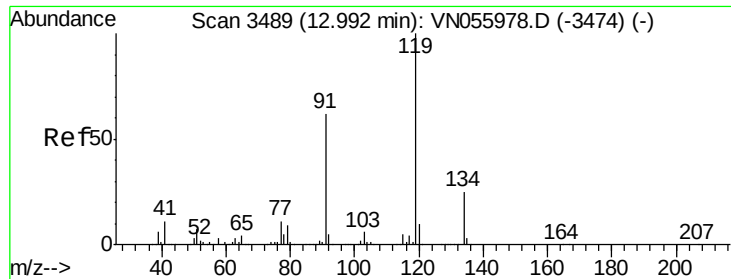
126 35.4 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

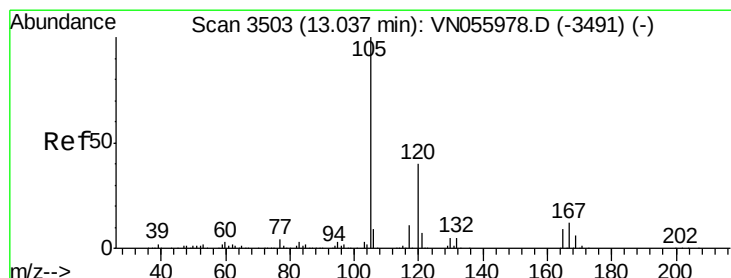
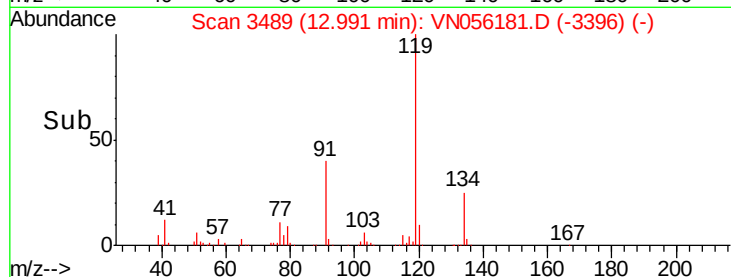
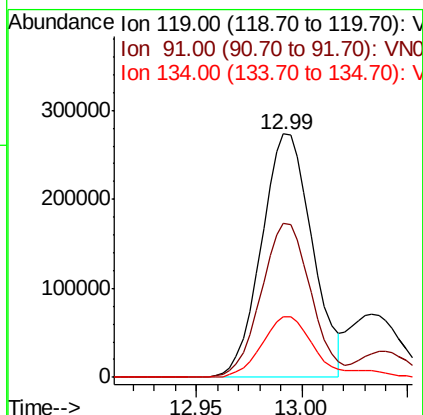
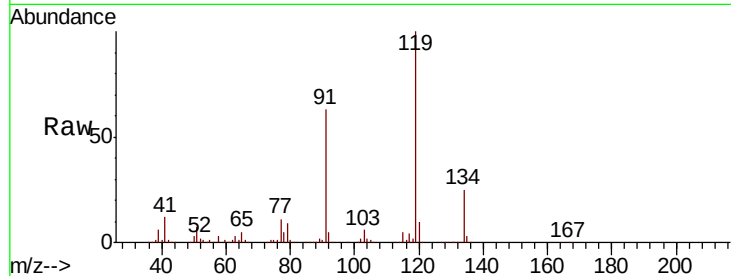




#83
tert-Butylbenzene
Concen: 53.122 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

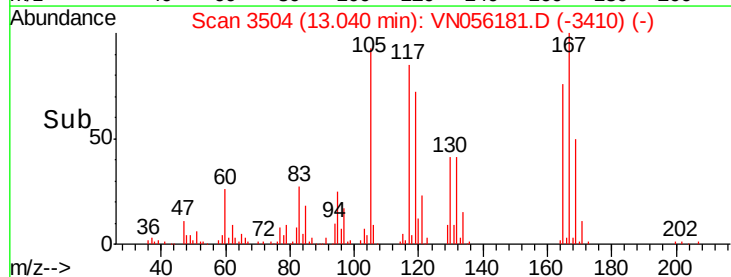
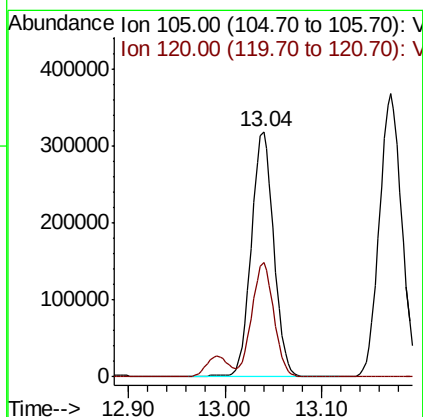
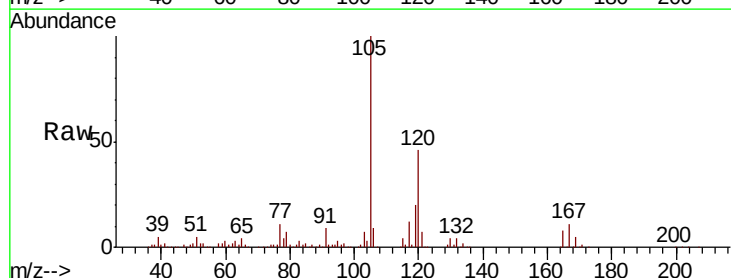
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

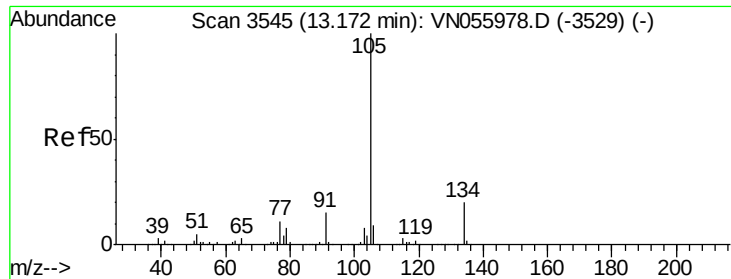
Tot Ion:119 Resp: 458299
Ion Ratio Lower Upper
119 100
91 62.0 30.9 92.8
134 27.0 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 48.667 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056181.D
Acq: 10 Jun 2019 19:59

Tgt Ion:105 Resp: 514816
Ion Ratio Lower Upper
105 100
120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 47.588 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

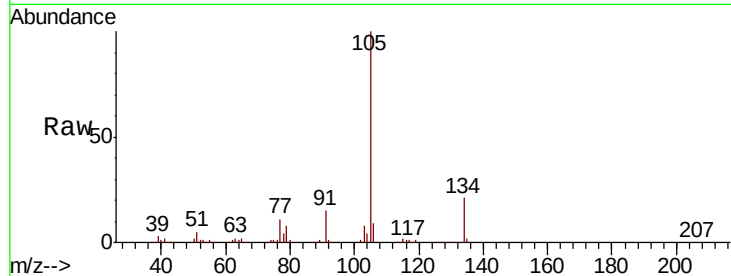
VSTDCCC050EC

Tot Ion:105 Resp: 591518

Ion Ratio Lower Upper

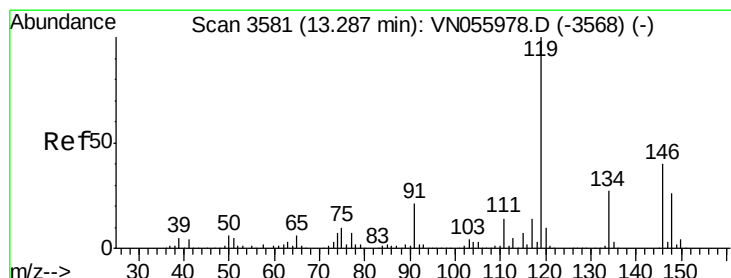
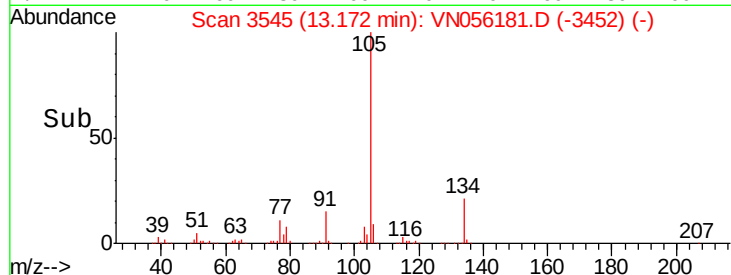
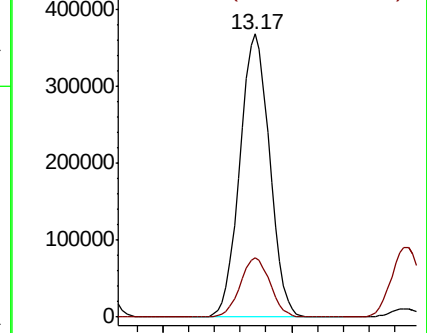
105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.915 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

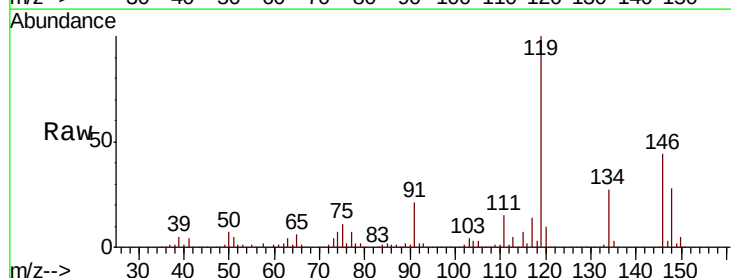
Tgt Ion:119 Resp: 533021

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

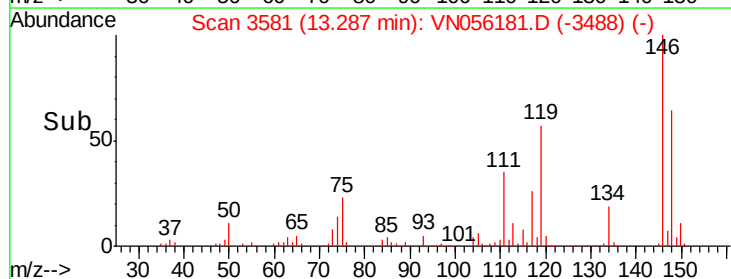
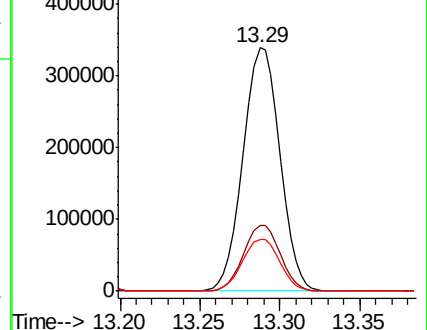
91 21.7 10.9 32.9

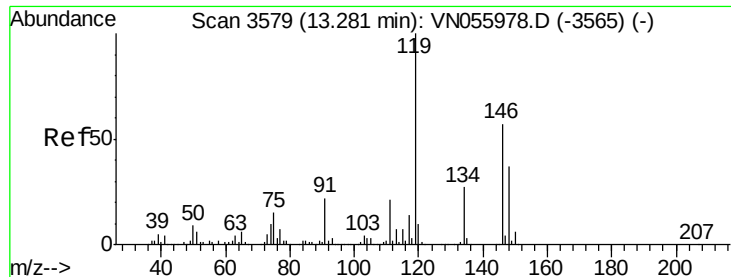


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

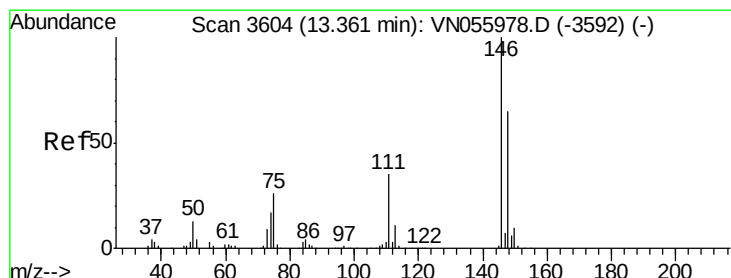
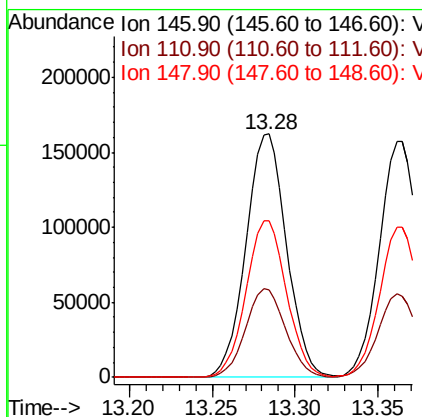
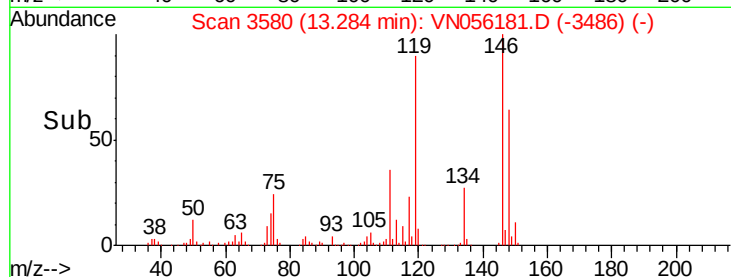
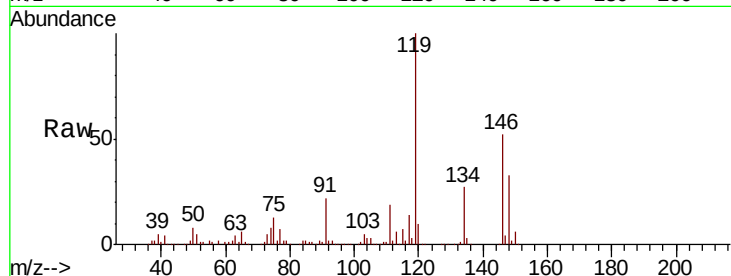




#87
 1,3-Dichlorobenzene
 Concen: 50.197 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

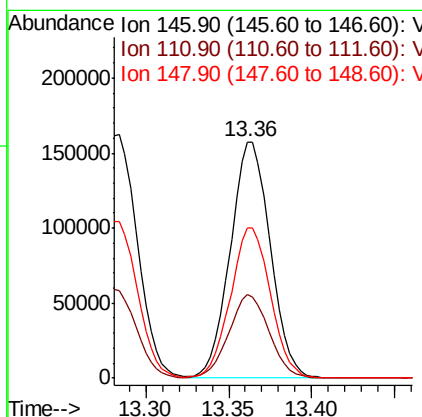
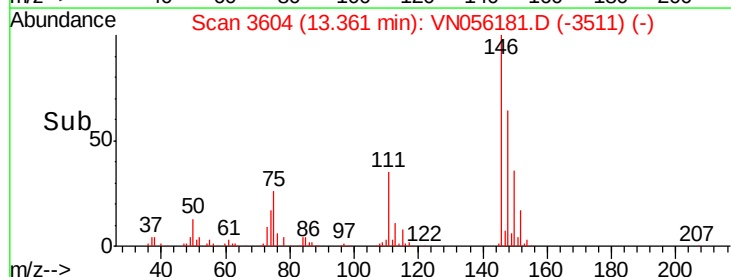
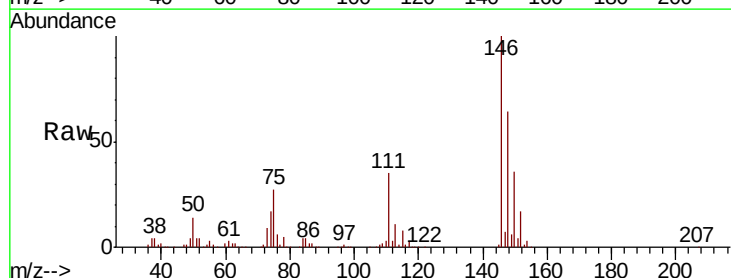
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

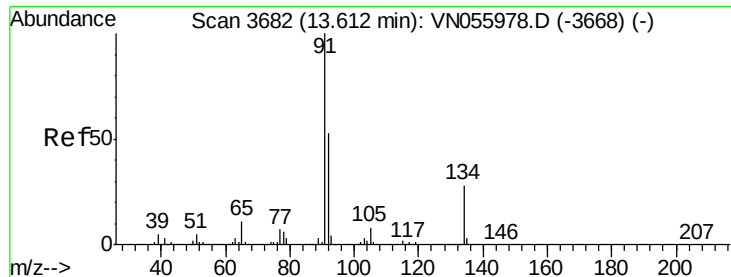
Tot Ion:146 Resp: 275962
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.5 55.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.779 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Tgt Ion:146 Resp: 263249
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.4
 148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 48.092 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

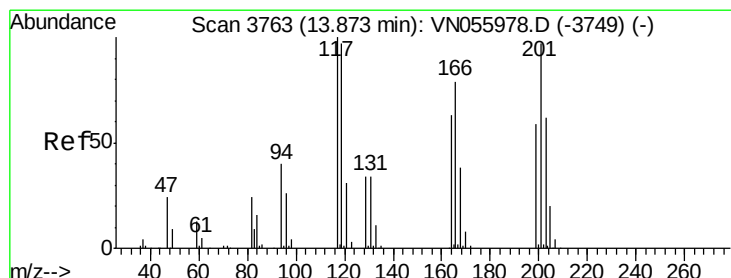
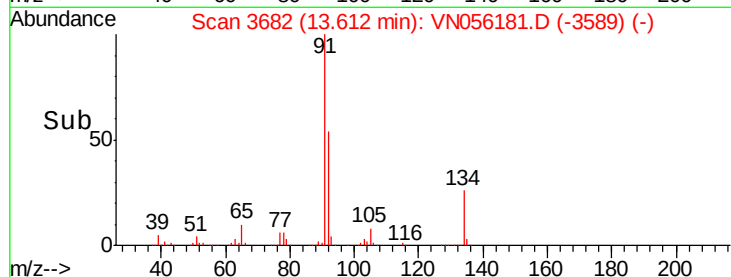
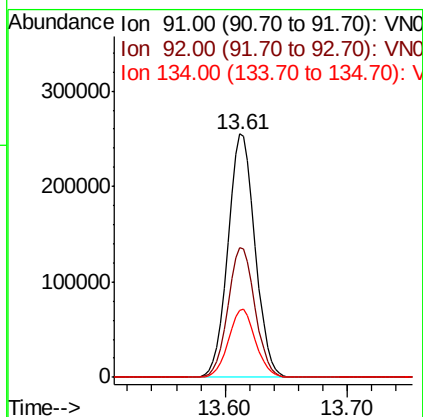
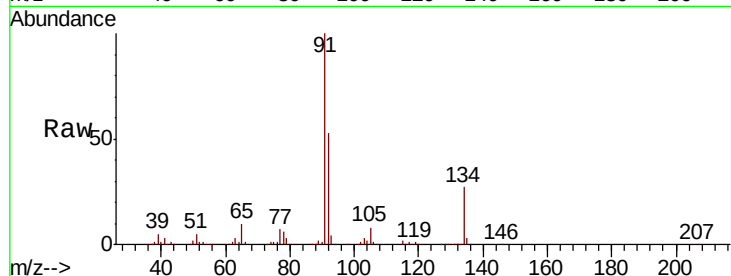
Tot Ion: 91 Resp: 396310

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.0

134 27.7 13.9 41.7



#90

Hexachloroethane

Concen: 52.115 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056181.D

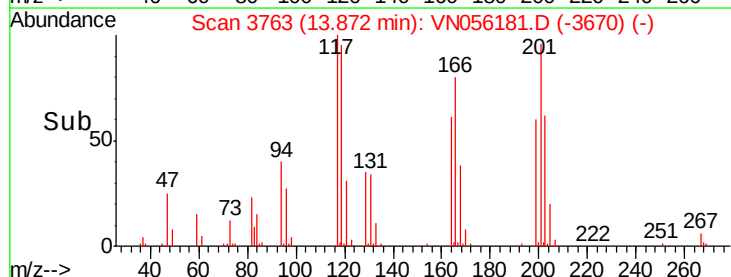
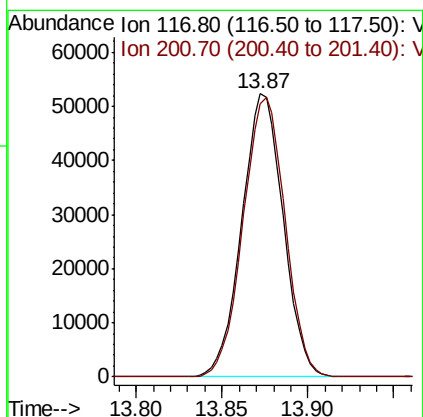
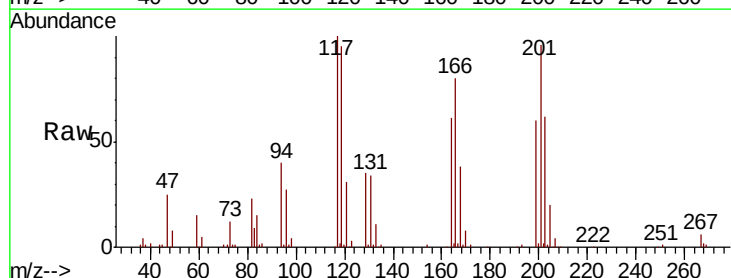
Acq: 10 Jun 2019 19:59

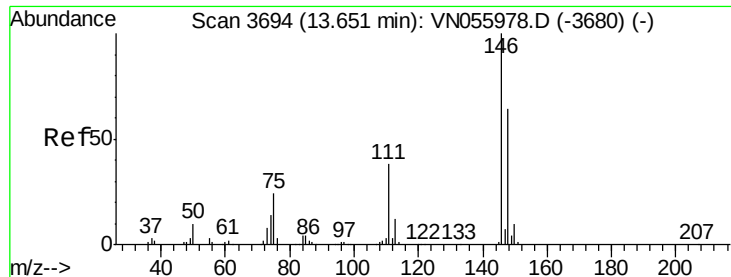
Tgt Ion: 117 Resp: 87431

Ion Ratio Lower Upper

117 100

201 100.0 50.0 150.0

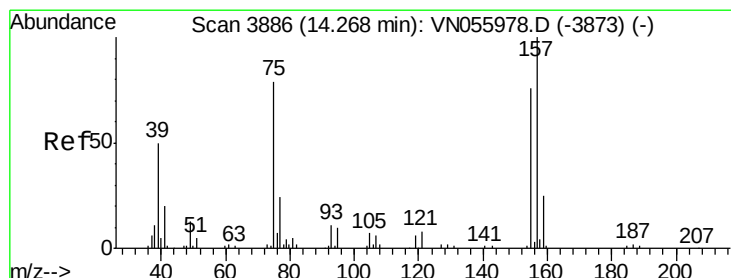
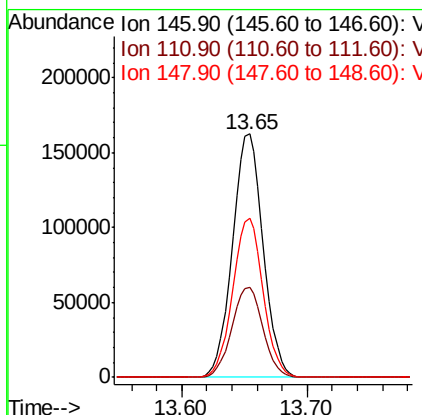
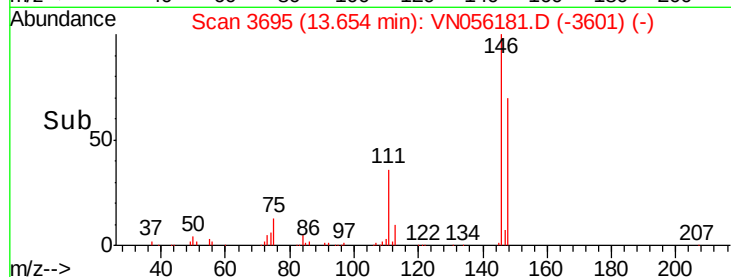
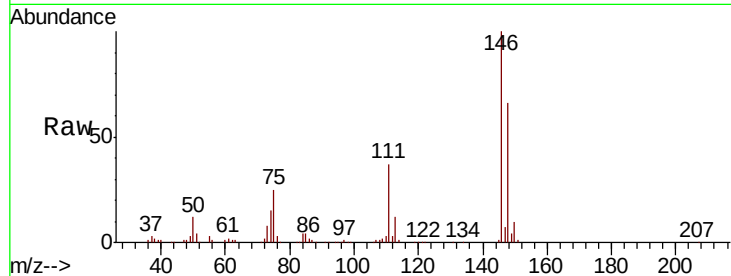




#91
 1,2-Dichlorobenzene
 Concen: 49.553 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

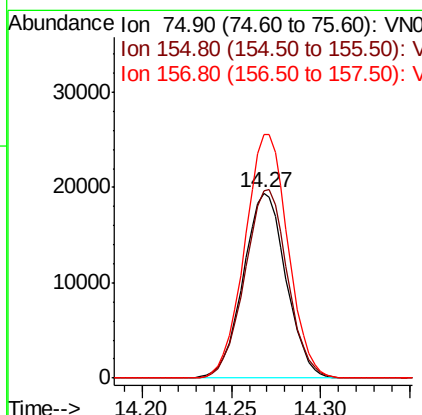
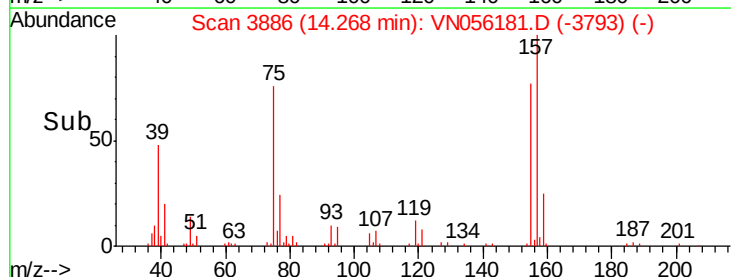
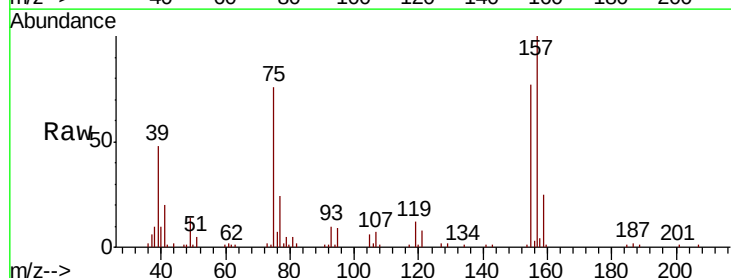
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

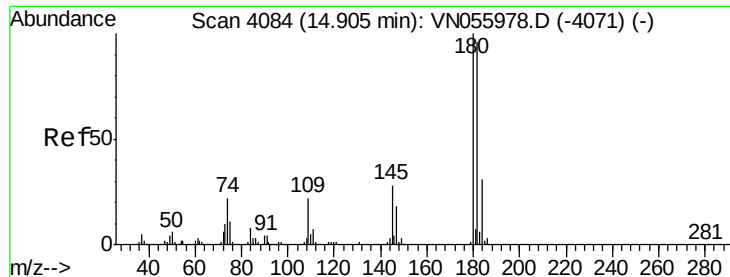
Tot Ion:146 Resp: 275037
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 64.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.019 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056181.D
 Acq: 10 Jun 2019 19:59

Tgt Ion: 75 Resp: 32512
 Ion Ratio Lower Upper
 75 100
 155 101.8 50.0 150.1
 157 132.8 64.8 194.3





#93

1,2,4-Trichlorobenzene

Concen: 43.999 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

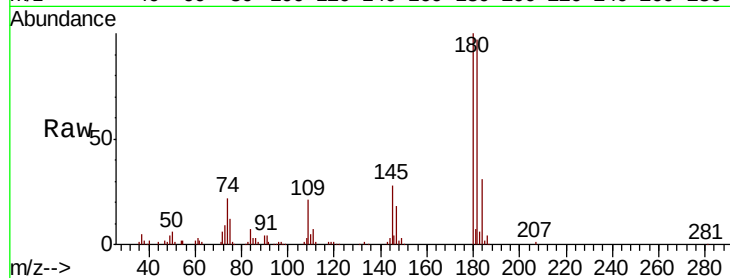
Tot Ion:180 Resp: 132861

Ion Ratio Lower Upper

180 100

182 95.5 48.3 144.9

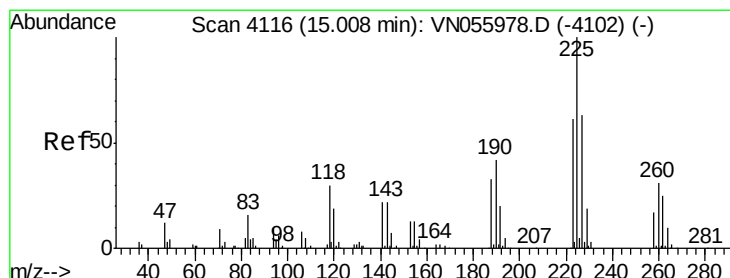
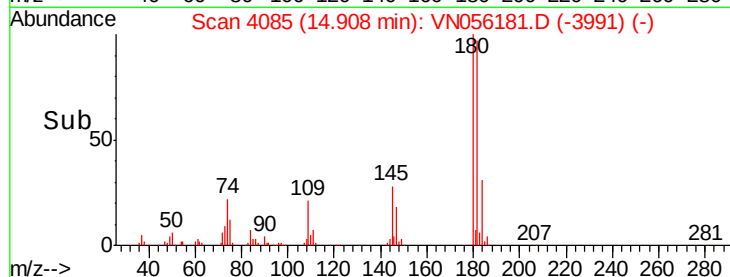
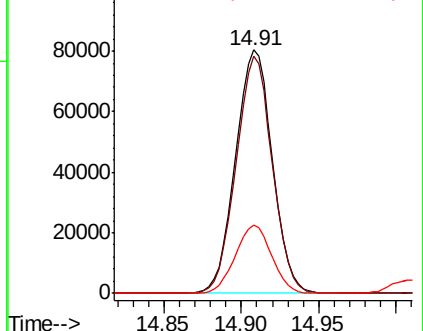
145 27.7 14.0 41.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 52.810 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

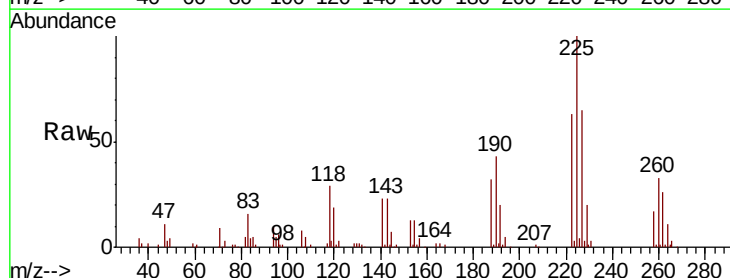
Tgt Ion:225 Resp: 100309

Ion Ratio Lower Upper

225 100

223 61.8 30.9 92.7

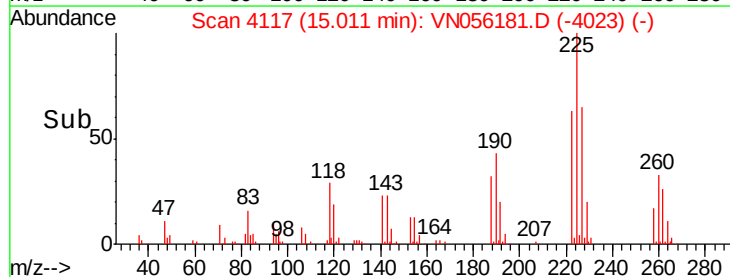
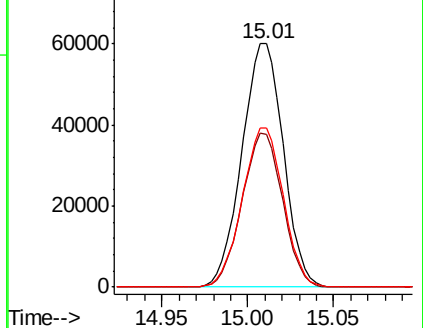
227 64.7 31.6 94.7

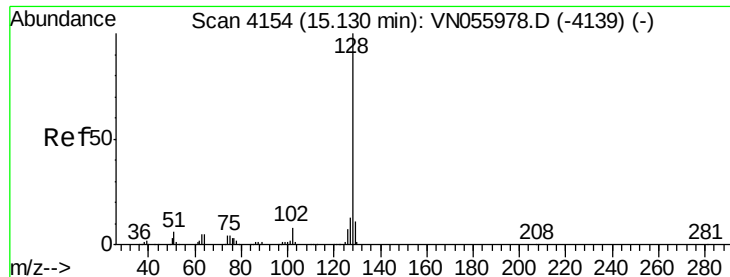


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.357 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

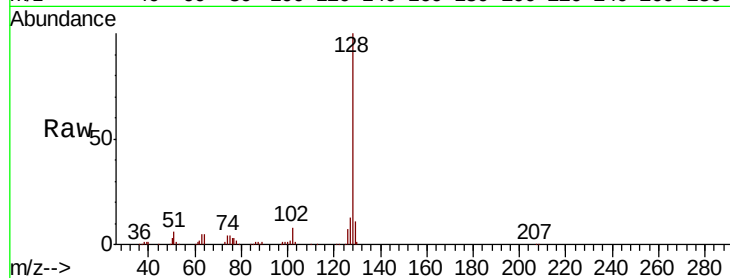
Tot Ion:128 Resp: 365447

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

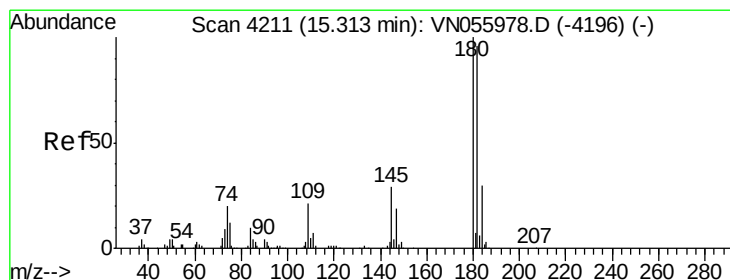
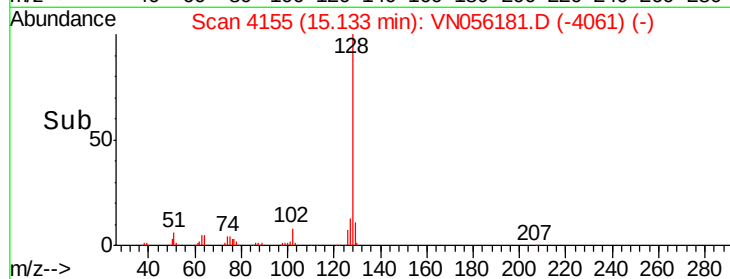
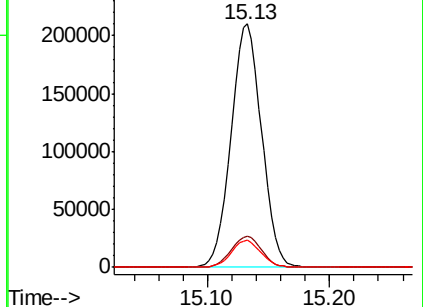
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.925 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056181.D

Acq: 10 Jun 2019 19:59

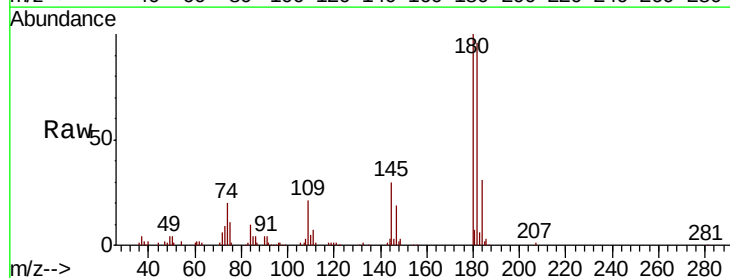
Tgt Ion:180 Resp: 148969

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 29.6 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

